



ARMSTRONG STATE COLLEGE

Undergraduate Bulletin
1979-1980

Savannah, Georgia

The statements set forth in this Catalogue are for informational purposes only and should not be construed as the basis of a contract between a student and this institution.

While the provisions of this Catalogue will ordinarily be applied as stated, Armstrong State College reserves the right to change any provision listed in this Catalogue, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Offices of the Registrar, the Dean for Student Affairs, and the Vice President. It is especially important that each student note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

ARMSTRONG STATE COLLEGE IS AN AFFIRMATIVE ACTION/
EQUAL OPPORTUNITY EDUCATIONAL INSTITUTION AND
DOES NOT DISCRIMINATE ON THE BASIS OF SEX, RACE,
AGE, CREED, OR NATIONAL ORIGIN IN EMPLOYMENT,
ADMISSIONS, OR ACTIVITIES. THE COLLEGE DOES NOT
DISCRIMINATE ON THE BASIS OF PHYSICAL HANDICAP.

A Four-Year College in the
University System of Georgia

ARMSTRONG STATE COLLEGE

SUMMER

FALL

1979-80

WINTER

SPRING

Accredited by
Southern Association of Colleges and Schools

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Academic Calendar

1979-1980

Fall Quarter, 1979

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| SEPTEMBER | 5 | Freshman and transfer students should file all papers in the application for admission by this date. |
| | 8 | Institutional Scholastic Aptitude Test (limited to Armstrong applicants). |
| | 14 | Mathematics Diagnostic Test and English Placement Test for placement in beginning English and Mathematics classes; Basic Skills Examination. |
| | 17 | First Faculty Meeting. |
| | 18 | Basic Skills Examination. |
| | 20, 21 | Registration. |
| | 24 | Classes begin. |
| | 26 | Last day to enroll in any class; last day to pay fees. |
| OCTOBER | 20 | Graduate Record Examination (refer to GRE information booklet for application deadline); History and Government Examinations of the College Level Examination Program (application deadline — September 27). |
| | 22 | English Placement Test; Mathematics Diagnostic Test. |
| | 26 | Mid-term; last day to withdraw from a class without penalty. |
| | 30 | Regents' Examination (application deadline — October 11). |
| OCTOBER | 29- | |
| NOVEMBER | 2 | Advisement for the Winter Quarter. |
| | 5-9 | Pre-registration for the Winter Quarter. |
| | 10 | National Teacher Examinations (refer to NTE information booklet for application deadline). |
| | 13 | Undergraduate Assessment Program exit examinations of selected departments (application deadline — October 9). |
| | 22-23 | Thanksgiving Holidays (begin at 12:30 p.m. on November 21). |
| | 26-30 | Student Appraisal of Instruction. |
| DECEMBER | 4 | Last day of classes. |
| | 5-7 | Examinations. |
| | 7 | Christmas Vacation begins. |
| | 8 | Graduate Record Examinations (refer to GRE information booklet for application deadline). |

Winter Quarter, 1980

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| DECEMBER | 11 | Institutional Scholastic Aptitude Test (limited to Armstrong applicants). |
| | 14 | Freshman and transfer students should file all papers in the application for admission by this date. |

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| | 19 | Basic Skills Examination; Mathematics Diagnostic Test. |
| JANUARY | 2 | Registration. |
| | 3 | Classes begin. |
| | 7 | Last day to enroll in any class; last day to pay fees. |
| | 12 | Dental Hygiene Aptitude Test (refer to DHAT information booklet for application deadline). |
| | 19 | History and Government Examinations of the College Level Examination Program (application deadline — December 20). |
| FEBRUARY | 6 | Mid-term; last day to withdraw from class without penalty. |
| | 11 | English Placement Test; Mathematics Diagnostic Test. |
| | 12 | Regents' Examination (application deadline — January 24). |
| | 16 | National Teacher Examinations (refer to NTE information booklet for application deadline). |
| | 18-22 | Advisement for the Spring Quarter. |
| | 26 | Undergraduate Assessment Program exit examinations of selected departments (application deadline — January 22). |
| | 25-29 | Pre-registration for the Spring Quarter. |
| MARCH | 3-7 | Student Appraisal of Instruction. |
| | 12 | Last day of classes. |
| | 13-14, 17 | Examinations. |
| | 18-24 | Spring Vacation. |

Spring Quarter, 1980

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| MARCH | 8 | Institutional Scholastic Aptitude Test (limited to Armstrong applicants). |
| | 14 | Freshman and transfer applicants should file all papers in the application for admission by this date. |
| | 18 | Basic Skills Examination; Mathematics Diagnostic Test. |
| | 25 | Registration. |
| | 26 | Classes begin. |
| | 28 | Last day to enroll in any class; last day to pay fees. |
| APRIL | 19 | History and Government Examinations of the College Level Examination Program (application deadline — March 27). |
| | 22 | Regents' Examination (application deadline — April 3). |
| | 25 | English Placement Test; Mathematics Diagnostic Test. |
| | 26 | Graduate Record Examinations (refer to GRE information booklet for application deadline). |
| | 29 | Mid-term; last day to withdraw from class without penalty. |

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| MAY | 5-9 | Advisement for the Summer Quarter. |
| | 13 | Undergraduate Assessment Program exit examinations of selected departments (application deadline — April 8). |
| | 12-16 | Pre-registration for the Summer Quarter. |
| | 26-30 | Student Appraisal of Instruction. |

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| JUNE | 3 | Last day of classes. |
| | 4-6 | Examinations. |
| | 6 | Graduation. |

Summer Quarter, 1980

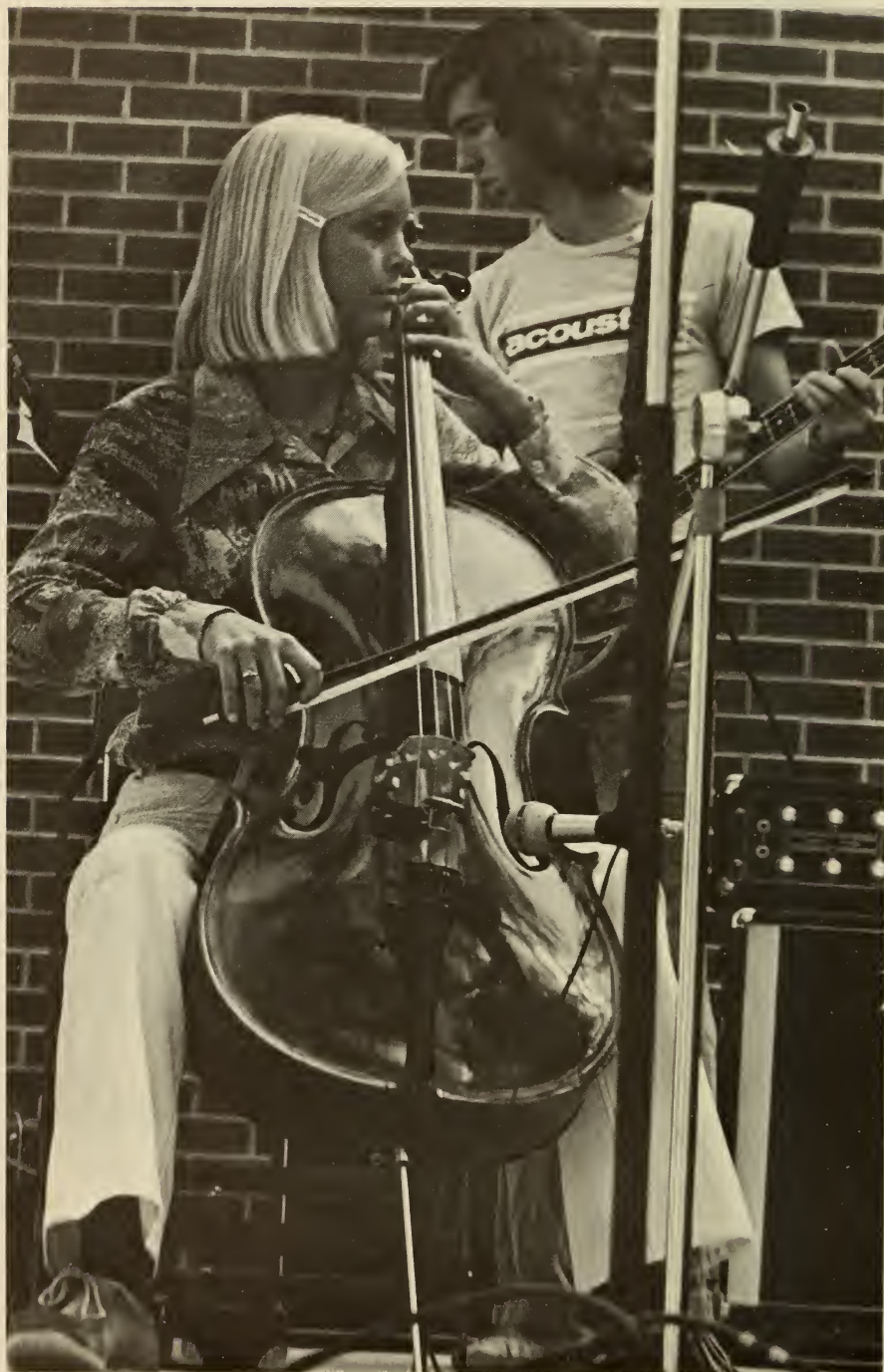
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| MAY | 24 | Institutional Scholastic Aptitude Test (limited to Armstrong applicants). |
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| JUNE | 5 | Freshman and transfer applicants should fill all papers in the application for admission by this date; transient students (for Summer Quarter only) should file all application papers by this date. |
| | 10 | Basic Skills Examination; English Placement Test; Mathematics Diagnostic Test. |
| | 14 | Graduate Record Examinations (refer to GRE information booklet for application deadline). |
| | 16 | Registration. |
| | 17 | Classes begin. |
| | 19 | Last day to enroll in any class; last day to pay fees. |
| | 21 | History and Government Examinations of the College Level Examination Program (application deadline — May 28). |
| | 30 | Basic Skills Examination; English Placement Test; Mathematics Diagnostic Test. |

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| JULY | 4 | Holiday. |
| | 7-11 | Advisement for the Fall Quarter. |
| | 11 | CHAOS Session for Fall Quarter applicants; Mathematics Diagnostic Test. |
| | 12 | Institutional Scholastic Aptitude Test (limited to Armstrong applicants). |
| | 15 | Regents' Examination (application deadline — July 2). |
| | 16 | Mid-term; last day to withdraw from class without penalty. |
| | 17 | Basic Skills Examination. |
| | 14-18 | Pre-registration for the Fall Quarter. |
| | 18 | CHAOS Session for Fall Quarter applicants; Mathematics Diagnostic Test. |
| | 19 | National Teacher Examinations (refer to NTE information booklet for application deadline). |
| | 22 | Undergraduate Assessment Program exit examinations of selected departments (application deadline — June 18). |
| | 25 | CHAOS Session for Fall Quarter applicants; Mathematics Diagnostic Test. |

AUGUST

- 1 CHAOS Session for Fall Quarter applicants.
- 4-8 Student Appraisal of Instruction.
- 14 Last day of classes.
- 15, 18-19 Examinations.
- 19 Graduation.



I. History, Purpose and Programs

History of the College

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a pressing need for a college in the community. The college was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five additional buildings in the Forsyth Park and Monterey Square areas. The college, as Armstrong College of Savannah, became a two-year unit in the University System of Georgia on January 1, 1959, under the control of the Regents of the University System. In 1962, the Mills B. Lane Foundation purchased a new campus site of over 200 acres located on Abercorn Extension. The new campus, with eight new buildings, was occupied in December, 1965.

In 1964, the regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. President Henry L. Ashmore, who succeeded President Foreman M. Hawes on July 1, 1964, was charged with the responsibility of developing the institution from junior to senior status. A junior year was added to the college curriculum in 1966-67, with the senior year added in 1967-68 and the first four-year degrees awarded at the spring, 1968 commencement. The college now offers more than twenty major programs leading to baccalaureate degrees, and, in addition, the two-year associate degree in a number of academic areas. Effective in the 1971-72 academic year, the Board of Regents of the University System of Georgia authorized Armstrong State College and Savannah State College to offer joint programs leading to the M.B.A. and M.S. in Elementary Education degrees. Additional programs in Teacher Education at the secondary level were initiated Summer Quarter, 1972.

As the result of approval in early 1979 by the Department of Health, Education, and Welfare of the Georgia Plan for Further Desegregation of Higher Education, all Business Administration programs were transferred from Armstrong State College to Savannah State College in September, 1979, and all Teacher Education programs were transferred from Savannah State to Armstrong State on that date. With this exchange of programs, Armstrong offers the only degree programs in Teacher Education at the baccalaureate and graduate levels in the immediate geographical area.

The academic community includes approximately 3,000 students and 140 full-time faculty members. Armstrong State College was fully accredited as a senior institution by the Southern Association of Colleges and Schools in December, 1968, with accreditation retroactive to January 1, 1968, and was re-accredited in December, 1972.

Purpose

Armstrong State College is a multi-purpose institution offering degree programs in the liberal arts, sciences, and a number of specialized fields. As a service to the community, it also provides a continuing education program for those who have non-degree objectives. The College strives to maintain the flexibility and adaptability which activated its growth and change of status in less than thirty-five years from a small city-supported junior college to a senior college in the University System of Georgia. Therefore, the College defines its present purpose in the following terms:

- to provide modern facilities and a professional staff in an environment that promotes the free exchange of ideas;

- to bring each student to a better realization of his own intellectual, emotional, and spiritual potential by providing academic programs in the humanities, natural sciences, and social sciences;

- to develop the student's technical and analytical skills through programs leading to professional degrees in a number of areas, including Health Professions, Criminal Justice, and Teacher Education;

- to offer opportunities for continuing education through symposia, conferences, institutes, and courses unrelated to degree programs;

- to make available the full resources of the College through involvement in research projects, public service activities, and other programs sponsored by the community.

Pre-Professional Programs

Armstrong State College offers courses appropriate for the first two years of baccalaureate programs such as engineering, forestry, industrial management, pharmacy, physical therapy, physics, etc., not offered among its degree programs; the pre-professional study appropriate for dentistry, law, medicine, veterinary medicine, and other professional fields.

Armstrong State College-Georgia Institute of Technology Dual-Degree Program

Upon completion of the first three years of academic work at Armstrong, the student may enroll for two subsequent years at Georgia Institute of Technology. After completing the requirements of the two cooperating institutions, the student will be awarded a baccalaureate degree from Armstrong State College and a baccalaureate degree in one of a number of academic areas from Georgia Institute of Technology. For further information on this dual-degree program, the student should contact the Office of the Vice President.

Two-Year Degrees

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions or as terminal professional degrees.

Associate in Arts.

Associate in Science in Nursing.

Associate in Science in Dental Hygiene.

Associate in Science in Criminal Justice.

Associate in Science in Medical Record Technology.

Associate in Science in Respiratory Therapy.

Four-Year Degrees

Bachelor of Arts in the fields of history, English, music, political science, psychology, and social work.

Bachelor of Science in the fields of biology, chemistry, mathematical sciences, and criminal justice.

Bachelor of Science in Education with majors in Early Elementary Education, Middle School Education, and Health, Physical Education and Recreation.

Bachelor of Science in Medical Technology.

Bachelor of Science in Dental Hygiene Education.

Bachelor of Science in Nursing.

Bachelor of Music Education.

The College is authorized to offer Teacher Education programs, preparing students for certification by the Georgia State Department of Education, in the following areas: Art, Behavioral Science, Biology, Chemistry, Early Elementary, English, French, General Science, History, Industrial Arts, Mathematics, Middle School, Music, Physics, Political Science, Social Studies, Spanish, Trade and Industrial Education. Information concerning the status of these programs is available in the Office of the Dean for the School of Education or the Office of the Director of Admissions.

Graduate Programs

Master of Education degree programs are offered in Early Elementary Education, Middle School Education, Special Education (Behavior Disorders) as well as in the secondary teaching fields of Biology, Chemistry, English, History, and Political Science. (English, History, and Political Science are available as options without teacher certification requirements.) The Master's programs are designed to provide opportunities for further professional growth, for expanding professional and cultural backgrounds, and for extending knowledge and understanding in an area of specialty.

For complete information about these programs, contact the Office of the Dean for Graduate and Extended Studies.

Internship Programs

Students at Armstrong State College may participate in two state-wide internship programs: the Georgia Intern Program and the State Legislative Intern Program. These programs provide the student with opportunities to observe first-hand and to participate in agency and legislative processes as he works under the direction of and is responsible to an agency or legislative supervisor. In addition to state-wide internship programs, students may participate in local internship experiences. They may receive academic credit for these experiences. They must be enrolled full-time at the College and must be in good academic standing. For further details concerning the requirements for internship programs at the College, please consult the Head of the Department of History and Political Science.

Evening Classes

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening. Students employed during the day should limit their enrollment to one or two courses each quarter.

Senior Citizens

Residents of Georgia, sixty-two years of age or older at the time of registration, may enroll in courses *for credit or as auditors* on a space available basis, with waiver of matriculation fees. They will be required, however, to pay for supplies, etc., that might be necessary for a given course. The individual must present a birth certificate or other comparable documentation of age to qualify for the waiver of fees and must meet all requirements for admission to the college. Further information on this program is available from the Office of Admissions.

Community Services-Continuing Education

Armstrong State College is committed to the concept that an academic institution should attempt to reach out and serve the community of which it is a part. This service includes the extension of the resources of the campus to individuals and groups that are not a part of the regular academic community and the use of the college's special competence to assist in the solution of community problems.

The Community Services division, under the direction of the Dean for College and Community Services, is responsible for the coordination of all community services/continuing education activities. Since these activities are viewed as a college-wide function, responsibility for program development is shared with the various academic departments. The major community services/continuing education components of the college are: (1) the short course/conference program; (2) the off-campus credit class program; (3) the Neighborhood Continuing Education Program.

Short Courses/Conference Program. This unit administers non-degree courses, conferences, and seminars designed to provide for the educational needs of area residents who do not wish to participate in the regular credit classes offered by the college. Many of these activities are related to professional development experiences. The Office of the Registrar maintains permanent records of the individual's participation in those activities that meet certain criteria. The Coordinator of Short Courses/Conferences is pleased to arrange an activity of special interest and value to community groups and organizations.

Off-Campus Credit Class Program. In order to provide education opportunities for specific groups of area residents, the college makes available credit classes at off-campus locations convenient to the students involved. These classes are conducted in strict conformity with college standards and with policies of the Board of Regents of the University System of Georgia. The Dean for Graduate and Extended Studies welcomes requests for the organization of these classes.

Neighborhood Continuing Education Program. This program is a cooperative endeavor of Armstrong State College, Savannah State College, Georgia Southern College, and the University of Georgia. Located in the central city, this program provides continuing education activities for low income residents. Its major objective is to utilize the combined resources of the cooperating institutions to provide educational experiences suited to the needs of the citizens within the inner city area.

Use of Facilities by Community Groups. As a tax supported unit of the University System of Georgia, the college makes available its facilities to certain community groups when such usage does not interfere with college-sponsored activities and when such usage is for an activity of cultural, educational, or civic significance. College facilities will not be made available to (1) profit-seeking organizations; (2) community groups that are sponsoring events for the purpose of making a profit; (3) religious groups; (4) groups sponsoring activities that compete or conflict with college programs. A schedule of usage fees is available in the Office of the Dean for College and Community Services.

Proctoring Examinations. The Community Services division cooperates with the Georgia Center for Continuing Education (University of Georgia) through service as a center at which examinations are proctored for students enrolled in independent study (correspondence) courses. A booklet describing these courses is available upon request. Examinations from other colleges and examinations by professional societies can also be proctored. Examination proctoring is by prior arrangement only. Students using this service are encouraged to check with the division office prior to the date for the examination to make certain that the examination materials are on hand.

Office of Development

The purpose of the Office of Development is to promote funding for college programs from sources supplemental to state appropriations and student

fees. To accomplish this purpose, the college participates in federal and other grant supported activities and seeks assistance from alumni and friends. From private sources, the College accepts memorial and other gifts for the athletic program, instructional equipment, library books, matching funds for grants, scholarships, and other restricted purposes. Unrestricted contributions are accepted to be used at the discretion of the President to meet special and unforeseen needs. Gifts of any size can be used to add to the library collection in the name of an individual or an agency, although all gifts are acknowledged and published, where appropriate and when requested, by the donor's name. Gifts for scholarships are generally received by the College in one of two ways: the donor specifies support or choice of specific students, with the College serving only as a distribution agent; or the donor specifies support of student scholarships generally or scholarships within a broad academic field, with the College identifying the gift by name, if appropriate, and distributing the funds according to standard policies and procedures. Gifts of this latter type are tax deductible. The Director of Development is pleased to provide further information to any prospective donor.

Office of Computer Services

This office coordinates the campus-wide system of computer services. The Director also provides technical assistance to the faculty and staff of the college in the development of computer programs and systems. Through participation in the University System Computer Network, information processing devices located on campus are connected via a direct telephone line to the large computers located at Georgia State University and the University of Georgia.

Student Exchange Program with Savannah State College

A student enrolled at Savannah State College or at Armstrong State College as a full-time student has the privilege of taking one course with his Dean's approval at the other college without paying an additional fee. No restrictions are placed on the number of courses taken at the other college if the student is enrolled in the joint program in Social Work. In this program, however, the student must enroll in major area courses *only* to receive unrestricted enrollment privileges. The colleges operate a shuttle-bus service between the two campuses to facilitate movement of students who are taking courses on both campuses. A student may obtain in the Office of the Registrar the proper form for permission to register for courses at Savannah State College.

NROTC Program

Qualified male or female students at Armstrong State College may enroll in the Naval Reserve Officers Training program offered on the

Savannah State College campus. Full tuition paid scholarship programs for students desiring to be either Navy or Marine Corps officers are available. Most majors are acceptable with entry level at either the incoming freshman or prospective junior level. For further information, consult the Registrar at Armstrong State College; the Commanding Officer, NROTC Unit, Savannah State College; or the *Savannah State College Bulletin and General Catalog*.

Library

The Lane Library, centrally located on campus, is a multi-resource and multi-service facility. The first floor houses a reference collection, all periodicals and micromaterials, government documents, maps, vertical files, folios, archives, and a reading room. The technical services department, in which all orders are placed, cataloged, and processed, is also located on this floor. The department utilizes a CRT terminal and MODEM for all monograph cataloging as a member of the Southeastern Library Network. All audio-visuals, both software and hardware, the circulating collection, individualized study carrels, and typing facilities are located on the second floor. A television production studio and graphics laboratory are also located on this floor. This sophisticated complex allows faculty to augment their classroom lectures with in-house production of video programming and broadcasting.

The library collection combines traditional media such as monographs, periodicals and micromaterials with more recent types of media such as audio and video tapes, recordings, filmstrips and motion pictures. An array of micromaterial readers and printers, video beam projectors, and audio hardware is available for constant use. Housed in the library are approximately 350,000 total resources, including 115,000 books and bound periodicals; 10,000 documents and maps; 240,000 microforms; 6,000 records, motion pictures, slides, and video tapes, and 1,110 newspapers and periodical subscriptions.

The Lane Library's card catalog, a cooperative project of several Savannah area libraries, lists the location of most print and non-print materials in the following libraries: Armstrong State College, Savannah State College, Savannah Public Library, Georgia Historical Society, Memorial Medical Center, St. Joseph's Hospital, Georgia Regional Mental Health Clinic, U.S. Army Corps of Engineers-Savannah District, and the Chatham County Department of Human Resources.

The Lane Library faculty and staff welcomes suggestions for the improvement of its collections and services.

II. Student Services, Activities

The Office of Student Affairs, administered by the Dean for Student Affairs, is responsible for all student services and activities. In addition to formal classroom instruction, the College recognizes the need for providing programs and services which contribute to a well-rounded college experience. Such programs are administered by the Office of Student Affairs through the following individuals: Counselors, Director of Student Activities, Director of Student Financial Aid and Veterans Affairs, Financial Aid/Veterans Advisor, and Campus Nurse.

Counseling

Counselors are available in the Counseling and Placement Office to assist students in making successful and realistic decisions and in choosing appropriate routes for attaining selected goals. The counseling process focuses on increasing the student's self-understanding and respect for his own ability to make decisions that will affect his life. All discussions are confidential.

Counselors can assist students in clarifying educational and vocational objectives, in developing effective study skills and habits, and in dealing with problems of social and emotional significance.

Veterans Services

Armstrong State College maintains an Office of Veterans Affairs located in the Administration Building. The veterans' director is available to advise veterans concerning admissions procedures and services available to them as students. The office also employs a number of student veterans to assist in meeting the needs of veteran student body at Armstrong.

Testing Services

A variety of individual tests and inventories are available through, and often included in, counseling services. Such tests provide information to help students evaluate personal, educational, or vocational needs. Test results are confidential.

The following testing programs are administered regularly by members of the counseling staff: ACT Proficiency Examination Program (PEP), College Level Examination Program (CLEP), Dental Admission Test (DAT), Dental Hygiene Aptitude Test, Graduate Record Examination (GRE), Medical College Admission Test (MCAT), National Teacher Examination (NTE), Regents' Examination, and the Undergraduate Assessment Program (Exit Examinations). Information about the Allied Health

Professions Admission Test, the Graduate Management Admission Test, the Graduate School Foreign Language Test, the Miller Analogies Test, the Optometry College Admission Test, the Professional and Administrative Career Examination, the State Merit Examination, and the Veterinary Aptitude Test may be obtained from the Counseling and Placement Office.

Orientation

The decision to enter college for further education and knowledge is an important point in an individual's process of self-development. The Summer Orientation Program (CHAOS) at Armstrong State College is planned to aid the student in his transition to college by exposing him to the dynamics of successful decision-making. Using techniques that encourage the realization of possible outcomes and consequences, the student will learn to explore his possibilities with more understanding and confidence.

Freshmen participating in this program will be given information concerning student activities programs, visit campus facilities, and plan their class schedules with academic advisors.

An abbreviated orientation program is scheduled for students new to the college prior to registration Winter, Spring, and Summer Quarters.

Placement

The Placement Counselor, located in the Counseling and Placement Office in the Administration Building, offers general assistance in the planning of career directions. The office operates a personal resume service for all regularly enrolled students of the college, receives listings of full-time career opportunities, and arranges on-campus recruiting with business, governmental and educational agencies. Students who wish to make use of the Placement Service are advised to contact the Placement Counselor three quarters prior to completion of studies.

The Placement Office also provides a job listing and referral system for currently enrolled students who are seeking part-time, temporary, or vacation employment.

Conduct

Every student who enrolls in a course at Armstrong State College commits himself, by the act of enrolling, to full compliance with the rules and regulations of the Honor System and Code of Conduct. The Honor System is outlined under "Academic Regulations" in this Bulletin and the Code of Conduct is published in the Armstrong Student Handbook, *Students Illustrated*.

Compliance with the regulations and policies of the faculty of Armstrong State College and the Regents of the University System of Georgia is assumed. To enroll is to agree to assume responsibility for adhering to policies and using established channels to promote change. Not to do so is sufficient basis for the college to terminate a student's enrollment.

Student Activities and Organizations

In addition to an outstanding academic program, Armstrong State College offers a complete program of co-curricular student activities assigned to contribute to the development of the student and to assist him in becoming an active and productive member of the community in which he lives.

Student organizations at Armstrong State College reflect the natural variety of interests found in a diversified student body. Individuals who seek a well-rounded education will avail themselves of the varied opportunities afforded through the college program of student activities.

A variety of clubs and organizations representing varied interests and activities are available to students at Armstrong State College. These include the following:

Religious:

- Baptist Student Union

Greeks:

- Panhellenic Council
- Alpha Gamma Delta Sorority
- Sigma Kappa Sorority
- Phi Mu Sorority
- Phi Kappa Theta Fraternity
- Pi Kappa Phi Fraternity
- Pi Kappa Alpha Fraternity
- Sigma Nu Fraternity

Professional:

- Student Nurses Association of Georgia
- Future Secretaries Association
- Student Association of Educators
- Junior American Dental Hygienists Association
- American Chemical Society
- Alpha Sigma Chi (Physical Education)
- Armstrong State College Student Data Processing Management Association
- Association for Computing Machinery
- Social Work Club

Interest:

- Glee Club
- Band
- Chess Club
- Cheerleaders
- Masquers
- Buccaneers
- Black American Movement
- Senior Classical League

Honorary:

- Phi Eta Sigma (Scholastic honorary for freshmen)
- Phi Alpha Theta (History)
- Pi Mu Epsilon (Mathematics)
- Kappa Delta Pi (Education)

Student Government

The Student Government Association is the official governing body of the students at Armstrong State College. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living.

All students are automatically members of the Student Government Association and are entitled to vote in SGA elections. Qualified students may seek positions of leadership in the Student Government Association by running for office during the winter quarter.

Student Publications

The two official student publications on campus are the *Inkwell* (the College newspaper) and the *Geechee* (the College yearbook). These publications are produced by students under the supervision of approved college advisors. Financed in part by the Student Activity Fund, the *Inkwell* and the *Geechee* provide opportunities for students in creative writing, reporting, photography, and design.

Health

Armstrong State College maintains a campus infirmary where a registered nurse is on duty from 8:15 a.m. until 5 p.m. Students who become ill or who are involved in accidents while on campus should not hesitate to avail themselves of this service.

Dental Hygiene Services

The Dental Hygiene Clinic is available to Armstrong State College and Savannah State College students who wish to receive an oral prophylaxis and a fluoride treatment. School identification cards will be requested by the Clinic receptionist.

Alumni Office

The primary purposes of the Alumni Office are to keep former students informed about the college and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Association and, upon payment of his dues, will receive association periodicals, and may vote and hold office in the Association. The Alumni Office assists in arranging class reunions, board meetings, and other functions. For further information contact the Alumni Secretary.

Housing

There is no student housing on campus. Private apartments for male, female, and married students are located within walking distance of Armstrong State College. For further information regarding housing, please contact the Office of Student Affairs.

Athletics

Armstrong State College is affiliated with the National Association of Intercollegiate Athletics, National Collegiate Athletic Association, South Atlantic Conference, Association of Intercollegiate Athletics for Women and Georgia Association of Intercollegiate Athletics for Women. The college teams participate in intercollegiate competition in baseball, basketball, cross country track events, golf, softball and tennis.

Intramurals

The Student Intramural Council and Intramural Department provide a diversified program available to all students and faculty, including organized competitive sports, recreational activities, and clubs. Any student interested in participating in these activities should contact the Director of Intramurals.

Cultural Opportunities

Armstrong State College provides a variety of cultural opportunities for its students. Lectures by eminent scholars in the various academic fields and musical concerts by outstanding artists are an integral part of the program in general education. Student dramatic productions under professional direction and the student choral and instrumental groups have created distinguished traditions.



III. Fees

Application Fee

The Application Fee of \$10.00 is paid by each student at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of the student. This fee is not refundable.

In addition to the application fee mentioned above, a deposit of \$50.00 is required of all dental hygiene applicants who are accepted for admission. This deposit is applied against registration fees during the first quarter of attendance. If the student does not enroll, the deposit is not refundable.

Matriculation Fee

The Matriculation Fee for students registering on campus for the normal course load of fifteen hours is \$153.00. Students carrying less than 12 credit hours on campus in a quarter will pay at the rate of \$13.00 per quarter hour in Matriculation Fees. Students who register for off-campus credit hours will pay at the rate of \$16.00 per credit hour. Matriculation fees are waived for residents of Georgia upon presentation of written documentation that they are 62 years of age or older.

Out-of-State Tuition

Non-residents of Georgia must pay a fee of \$262.00 per quarter in addition to all regular fees. Students carrying less than 12 credit hours in a quarter who are not legal residents of the State of Georgia will pay at the rate of \$22.00 per quarter hour Out-of-State Fee in addition to all regular fees. Students who register for off-campus credit courses will pay at the rate of \$22.00 per quarter hour Out-of-State Fee in addition to all regular fees. Out-of-State tuition fees are waived for *active duty* military personnel and their dependents stationed in Georgia and on active duty, except military personnel assigned to this institution for educational purposes.

Student Activity and Health/Service Fees

There will be a Student Activity Fee (\$15.00) and a Health/Service Fee (\$2.50) for all student enrolled for six or more hours in the undergraduate program. Students who are enrolled for five hours or less may choose whether or not to pay the Student Activity Fee. Students who choose not to do so will be accorded limited student activity privileges.

Athletic Fee

There will be an Athletic Fee of \$10.00 per quarter for all students enrolled in the undergraduate program.

Applied Music Fees

Applied music courses consist of one or two twenty-five minute private lessons per week. A special fee of \$31.00 for one twenty-five minute lesson or \$62.00 for two lessons is charged quarterly to students not admitted to a music degree program and to music majors not enrolled for ten or more quarter hours of credit. This fee is refundable only when the student has not met his first lesson.

Late Registration Fee

A late registration fee of \$4.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to enroll in any class; last day to pay fees." This fee is not refundable.

Graduation Fee

A Graduation Fee of \$20.00 will be collected from each candidate for graduation. If the candidate is receiving a second degree at the same graduation ceremonies, an additional fee of \$5.00 will be collected. The fee will be \$20.00 for a second degree awarded at a subsequent graduation ceremony.

Transcript Fee

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

Summary of Fees

Matriculation, per quarter	\$153.00
Student Activity, per quarter	15.00
Health/Service, per quarter	2.50
Athletic, per quarter	10.00
TOTAL FOR GEORGIA RESIDENTS	\$180.50
Out-of-State Tuition, per quarter	\$262.00
TOTAL FOR NON-RESIDENTS	\$442.50
Matriculation Part-Time Students, per quarter hour	\$13.00
Non-Resident Tuition, Part-Time Students, per quarter hour (in addition to Matriculation Fee)	\$22.00

Privilege Fees

Application Fee	\$10.00
Late Registration-Maximum	5.00

Graduation Fee	20.00
Transcript, first one free, each additional	1.00
Applied Music Fee	31.00/62.00
Dental Hygiene Deposit	50.00

Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Privilege fees are not refundable. Students who formally withdraw on the date of scheduled registration or during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid that quarter.

Any student delinquent in the payment of any financial obligation to the college will have grade reports and transcripts of records encumbered. Grade reports and transcripts will not be released, nor will the student be allowed to re-register at the college until all financial obligations are met.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of \$5.00 service charge.

Short Courses

Fees are announced for each quarter when the course is scheduled by the College.

Students who formally withdraw from a short course or conference before its first meeting will receive a full refund of fees paid provided the withdrawal is in writing and is received by the Office of Community Services prior to the first class meeting of the course or conference. No refund will be made for withdrawals received after the first class meeting. Fees paid for courses or conferences cancelled by the College will be refunded at 100%.

FEES AND CHARGES ARE SUBJECT TO CHANGE AT THE END OF ANY QUARTER.

IV. Student Financial Aid

Armstrong State College subscribes to the principle that the primary purpose of a student financial aid program is to provide financial assistance to students who, without such assistance, would be unable to attend college. The primary responsibility for financing a college education is the inherent obligation of the student and/or family. Financial assistance from Armstrong State College should be viewed as supplementary to the efforts of the student and/or family. An assessment of parental ability to contribute toward the student's educational expenses is made by the College Scholarship Service so that neither the parent, the student, nor Armstrong State College be required to bear an undue share of the financial responsibility.

Application Information

An applicant for student financial aid at Armstrong must:

1. be enrolled or accepted for enrollment at the College;
2. obtain and complete and submit a Financial Aid Form (FAF) to the College Scholarship Service prior to June 30 for the coming academic year.
3. submit a Basic Educational Opportunity Grant (BEOG) Eligibility Report (SER) to the Office of Student Financial Aid by June 30 preceding the next academic year.
4. complete and submit the Request for Student Financial Aid Form.

It may be necessary to complete additional forms depending on a student's year in school, major course of study, and/or eligibility for a particular program. Applications for financial assistance must be repeated annually. Most student financial aid awards are for the entire academic year, with payments made to the student in equal quarterly installments. A student may, however, apply and be considered for financial assistance during the academic year, if funds are available.

All student financial aid awards are contingent upon the availability of funds and the recipient's maintaining satisfactory progress toward a degree as defined in this *Bulletin*.

The minimum number of quarter hours for which a student financial aid recipient may enroll per quarter varies from program to program. Most require at least 12 hours per quarter (full-time status); some require only 10 hours per quarter. All programs require that the student be enrolled at least half-time taking 6 or more quarter hours.

Students applying for financial aid, whether eligible or not, who do not meet or adhere to the above requirements will not be considered for financial aid. It is the responsibility of the parents and/or student to determine that all pertinent information and data have been obtained and

are located in the Office of Student Financial Aid to assure a complete and accurate awarding of financial assistance.

When the student has received acknowledgement from the College Scholarship Service that the Financial Aid Form (FAR) has been sent to the College and the student has delivered the Basic Grant Eligibility Report (SER) and the request for Financial Aid Form to the Office of Student Financial Aid, the student and/or parents should telephone the office for an appointment with a financial aid advisor. The advisor will discuss the student's eligibility and, if applicable, the tentative award package. When the student has been determined eligible for financial aid, an award letter will be sent to the student indicating the type of award(s) and the amount to be received.

NO AWARD WILL BE MADE UNLESS THE OFFICE OF STUDENT FINANCIAL AID HAS BOTH THE BASIC GRANT ELIGIBILITY REPORT, THE REQUEST FOR FINANCIAL AID FORM, AND THE FINANCIAL AID FORM (FAF).

Categories of Aid

The College provides necessary financial assistance through grants/scholarships, work, and/or loans. Grants and scholarships are awards that require neither service nor cash repayments. Opportunities for part-time employment are provided for eligible students, usually on-campus, who are paid federal minimum wages on an hourly basis. Loans require cash repayment, service repayment, or a combination of both. These funds are made available through the federal government, state government, and local sources.

Federal Assistance

The *Basic Educational Opportunity Grant Program* is designed to provide financial assistance to those who need it to attend post-high school educational institutions. The BEOG is a grant and, unlike a loan, does not have to be repaid. Award amounts vary, depending upon the student's eligibility.

The *Supplemental Educational Opportunity Grant Program* is available to eligible students who establish exceptional financial need as determined by the College Scholarship Service. The minimum award is \$200.00 per academic year. The maximum may not exceed one-half of the student's established need, nor can it be more than one-half of the financial assistance supplied through the College.

Currently, the *College Work-Study Program* allows an eligible student to work each class day during the quarter. Satisfactory work performance is mandatory. The student must also maintain satisfactory academic progress. A student on academic suspension, even though readmitted on appeal, will not be allowed to participate in the Work-Study Program.

A *National Direct Student Loan* may be awarded to an eligible student who has established a need through the College Scholarship Service.

Interest will be computed at the rate of three percent per annum simple interest on the unpaid principal balance. Interest is not charged and repayment is not required until nine months after the borrower ceases to be a student. All students using NDSL funds are required to complete an exit interview before leaving the college.

A sample repayment schedule of a \$1,000 NDSL loan at 3% would be:

Payment Number	Principal Balance	Interest	Principal Payment	Total Payment
1	\$1,000.00	\$ 2.50	\$ 30.00	\$ 32.50
2	970.00	2.43	30.00	32.43
3	940.00	2.35	30.00	32.35
4	910.00	2.28	30.00	32.28
5	880.00	2.20	30.00	32.20
6	850.00	2.13	30.00	32.13
.....				
34	10.00	.03	10.00	10.03
Totals		\$43.10	\$1,000.00	\$1,043.01

Federal Nursing Student Loans and/or Scholarships are available to students who have: (1) established a financial need through the College Scholarship Service, (2) been accepted for enrollment by Armstrong State College, and (3) been admitted to the Nursing Program by the Department of Nursing.

Law Enforcement Educational Program Grants are available to in-service personnel. Awards are made on a priority basis and require the completion of applications applicable to the program. In-service personnel need not complete the Basic Grant or FAF if attending college on a part-time basis.

State Assistance

Georgia Higher Education Assistance Corporation. Under this program, guaranteed loans are provided by private lending institutions to residents of Georgia. The loans accrue interest at the rate of 7 percent simple interest. Loans are made by lending institutions that have signed a contract with and have the guarantee of GHEAC. The process involves application for the loan by the student and parents, certification by the educational institution, and final approval by GHEAC. Students who are unable to secure funds locally may apply for a State Direct Loan. In this instance, the State of Georgia provides the funds and GHEAC guarantees the loan. Students enrolled in certain health career fields may elect to cancel all or a portion of their state direct loans by practicing in their fields. Applications and additional information may be obtained from the Office of Student Financial Aid. Students who receive GHEAC loans are usually required to be enrolled as full-time students (12 hours). Exceptions are made only to health career loans, in which case the student must notify the Office of Student Financial Aid in advance for approval of hours to be taken.

Georgia Incentive Scholarships are awarded to residents who began post-high school education after 1 April, 1974, and whose eligibility has been determined by the College Scholarship Service financial analysis. All veterans who were residents of Georgia at the time of their entry into military service may apply. Students must also request submission of a copy of the FAF to the State Scholarship Commission. All students applying for Georgia Incentive Scholarships are required to apply for Basic Grant (BEOG).

The *Board of Regents' Fund* sponsors a program under which Georgia residents may qualify for financial assistance at units of the University System. Applicants must be in the upper 25% of their class and have established a financial need through the College Scholarship Service. Recipients must agree to work in the state, at an occupation for which they are qualified educationally, one year for each \$1,000 received. If unable to meet this obligation, the student is expected to repay the full amount with interest at the rate of 3 percent simple interest.

Students may be recommended for employment on the *Institutional Student Assistants Program*. Some departments and offices of the college have funds available to hire student workers. Initial contacts should be made by the student with the appropriate department head.

Local Assistance

Institutional Short-Term Loans are available to students for a maximum of sixty days. Interest shall accrue at the rate of 3% per annum. There are four short-term loans accounts: General, Nursing, Exchange, and Kiwanis. Because of limited availability, short-term loans are usually made available to students for payment of tuition and fees at the College. Other requirements concerning short-term loans are available in the Office of Student Financial Aid. Funds for the General Short-Term Loan Fund have been provided by:

John Bravo Memorial

Rensing Loan

Rho Beta Chapter of

Alpha Phi Omega

Sigma Kappa Sorority

Special Loans

Stephen Davis Memorial

Union Camp Corporation

Dental Hygiene students may apply for scholarship and/or loan funds from the *Paderewski Memorial Fund*. Interested students should contact either the Head of the Dental Hygiene Department or the Office of Student Financial Aid.

Armstrong State College accepts *Scholarship* applications throughout the year. Most awards are made annually during the summer. Scholarships are awarded when:

1. an agency notifies the College of its intention to award a scholarship to a specified student, or
2. an agency informs the College that it will award scholarships to a specific number of students selected by the Student Scholarship Committee.

Applicants for scholarships awarded by the college must:

1. complete the initial application process for financial aid;
2. complete a separate scholarship application, which may be obtained from the Office of Student Financial Aid;
3. have, as an entering freshman, a minimum combined verbal and mathematical SAT score of 1,000;
4. have, as a returning or transfer student, a minimum overall grade-point average of 3.0.

Individuals who are applicants for scholarships to be awarded by the Student Scholarship Committee will be interviewed by that Committee at a designated time. Award notification will be given to those students selected at the end of the selection process.

Government Benefits

Social Security Administration. Social Security provides monthly benefits to children when a parent (a) dies, (b) starts receiving Social Security retirement, or (c) starts receiving disability benefits. Payments can be made until age 22, provided the child is a full-time student in an educational institution. Benefits can continue until the end of the quarter of attainment of age 22, if requirements for a bachelor's degree are not complete. Once Social Security benefits begin, it is the individual's responsibility to notify the Social Security office if he transfers to another school, if he withdraws from school, or if he reduces his hours below full-time attendance. The individual must also notify the Social Security Administration if he marries, if he is adopted, or if he earns more than \$2,520 a year. Students who want to file applications, report changes, or receive more information should contact their Social Security Office.

Vocational Rehabilitation. The Georgia Vocational Rehabilitation Program provides financial assistance for the applicant who possesses an impairment which would prove to be a vocational handicap. The Office of Vocational Rehabilitation may pay the cost of tuition, books, and fees. Students who think that they may qualify under this program should contact one of the area Vocational Rehabilitation Centers located throughout the state. The Savannah Center is located at 420 Mall Boulevard. Applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of applications.

Veterans, Disability, and War Orphans Assistance. Veterans who served on active duty for other than training purposes for more than 180 days, any part of which occurred after June 1, 1966, are eligible for financial assistance to attend college through the G.I. Bill. Generally, sons and daughters of veterans whose death or total disablement was a result of service in the armed forces are eligible for financial benefits under the veterans program for educational assistance.

How to Apply. A prospective student must first make application to the College and gain approval for admission from the Office of the Registrar/Director of Admissions. A veteran cannot receive benefits

while matriculating under a Continuing Education admission status. Once accepted, the veteran should go to the local office of the Georgia Department of Veterans Service located at 410 Mall Boulevard, Savannah, Georgia, and have an application for VA educational benefits completed. The veteran must carry a copy of his Record of Discharge, DD Form 214, and supporting documentation of dependency status (marriage certificate; divorce decree, if previously married; and birth certificates of all dependent children). The veteran will then be given the forms to present to the Office of Veterans Affairs at Armstrong State College. Students transferring from other educational institutions, OJT programs, or correspondence schools must complete a "Request for Change of Place of Training/Change of Program" VA Form 1995 with the Armstrong Office of Veterans Affairs. At the time of initial matriculation each student/veteran must declare a specific program of study (major) and must follow the curriculum for this major without exception or benefits may be interrupted. Any student receiving government benefits from the Veterans Administration must check with the Armstrong State College Office of Veterans Affairs at the beginning of each quarter and file a form declaring the specific courses and number of credit hours which he is attempting. Each student/veteran is reminded that he must report any changes in his attendance, i.e., dropping, adding or withdrawal from school to the Armstrong Office of Veterans Affairs immediately following such action. Veterans entering school under the G.I. Bill should have sufficient funds to finance themselves until payments from the VA begin (approximately six weeks after application).

General Information Relating to Student Financial Aid

Distribution of Financial Aid. Financial assistance is distributed both directly and indirectly to eligible students from the federal, state, and local government and from private donors through the Office of Student Financial Aid. Assistance is provided directly when the name of the recipient and the amount of assistance to be given are determined prior to the receipt of the funds by the college. Assistance is provided indirectly when funds are given to the college for general distribution to students who are determined to be eligible for receipt of these funds. In both cases, it is the responsibility of the Office of Student Financial Aid to assure that the recipient has met all requirements and regulations concerning the receipt of such funds. Students who are found to be in violation of requirements and regulations concerning the receipt of financial assistance may jeopardize their continued eligibility for participation in the financial aid program. It is the student's responsibility to be knowledgeable about all requirements governing the receipt of funds from each program from which the student receives financial assistance.

Student Cost. Student financial aid is awarded to eligible students on the basis of need in nearly all cases except scholarships which have been provided by donors for the purpose of recognizing academic promise or

achievement. The determination of need is provided for Armstrong State College students through the use of the Financial Aid Form (FAF) and the College Scholarship Service which processes this form. The process involves an analysis of the data provided by the student's family or, if independent, by the student. This analysis is sent to the Office of Student Financial Aid where it is compared with the cost of education for the appropriate classification of student. If the analysis shows that the family contribution or self contribution is less than the cost of education, financial need has been established. The Office of Student Financial Aid has the legal right to challenge information provided on the Financial Aid Form if, in the opinion of the financial aid officer, that information appears to be inaccurate, incorrect, or misleading. Information relating to a student's eligibility is available to that student when he/she has completed all the necessary requirements for processing his/her financial aid application at the college.

Student Classification. There are two basic student classifications: (1) dependent student who is a commuter (living with parents or guardian) or resident (not living with parents or guardian but either receiving financial support from them or claimed by them as a tax deduction); (2) independent student who is single (and total self-supporting) or married (or who is a single parent with one or more children). Each classification constitutes a cost of education group from which eligibility for financial aid is derived. An example of the cost of education for a dependent commuter student for one year would be:

Tuition and fees	\$535
Books and supplies	215
Room and board	725
Transportation	360
Personal expenses	610
TOTAL	\$2,445

The cost of tuition and all pertinent fees and the refund policy of the College are outlined in the "Fees" section of this *Bulletin*.

Availability of Funds. In general, students who enter the College at the beginning of the fall quarter have a greater opportunity to receive financial assistance than those who enter later in the academic year. The awards processing time usually runs from June 1 to August 31. It is during this period that the Office of Student Financial Aid distributes its yearly allocation of funds to students who have completed the process cycle. In the event that there is a shortage of funds, students who are eligible for financial aid but whose applications were late will be placed on a waiting list until such time as funds becomes available.

Rights and Responsibilities. Every eligible student has a right to receive financial assistance provided that (1) funds are available at the college for award to the student; (2) the student meets the requirements pertinent to the program(s) from which assistance is sought; (3) the student has been admitted to the college or, in the case of an enrolled student, meets the standards of satisfactory academic progress as outlined in the "Academic Regulations" section of this *Bulletin*. In addition, it is the

student's responsibility to adhere to all regulations and requirements heretofore mentioned and to notify the Office of Student Financial Aid of any change in status which would have any effect on the legitimacy of financial assistance being received.

Student Retention. Information regarding student retention (i.e., enrollment patterns at the college) may be obtained upon request from the Office of the Registrar. Copies of this information are available to the student at a cost of \$1.00 per copy. Information regarding specific degree programs is available in this *Bulletin* and from the Head of the Department in which a specific academic program is offered.

Satisfactory Progress. See statement of definition in "Academic Regulations" section of this *Bulletin*.



V. Admission to the College

General Information

Application forms for admission to Armstrong State College are attached to this *Bulletin* and provided by the Admissions Office upon request. An application cannot be considered until all required forms are properly executed and returned to the Admissions Office.

The applicant must be at least sixteen years old on or before registration date and must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility. Armstrong State College reserves the right to examine and appraise the character, the personality, and the physical fitness of the applicant by the use of achievement and aptitude tests and to require additional biographical data and an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

Armstrong State College reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the College determines through investigation or otherwise that the quality of instruction at such high school or other institution is for any reason deficient or unsatisfactory. The judgment of the College on this question shall be final.

On the basis of achievement as reflected by high school or college grades and academic potential as shown by scores on the Scholastic Aptitude Test, an evaluation of each applicant's readiness to undertake college work will be made. The Admissions Officer may refer any application to the Admissions Committee of the College for study and advice.

The decision as to whether an applicant shall be accepted or rejected shall be made by the Admissions Officer in accordance with admission policies and subject to the applicant's right of appeal as provided in the policies of the Board of Regents of the University System. The Admissions Officer shall, as promptly as practicable, inform the applicant of the action taken upon his application.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

All students enrolled at Armstrong State College are required to affirm that they will abide by the provisions of the Honor Code. For a detailed explanation of the Honor System see the "Regulations" section of this *Bulletin*.

Information Required for Freshman Applicants

All freshman applicants must submit the following:

1. a. Certificate of graduation from an accredited high school. A tran-

script of the applicant's high school record must be submitted by the high school directly to the College.

OR

b. Evidence of successful completion of the General Education Development Test (GED), with no scores less than 45. A score report form must be submitted directly to the college from the GED testing center where the student took the test or by DANTES, 2318 South Park Street, Madison, Wisconsin 53713 (if the student took the test through the United States Armed Forces Institute while in military service).

2. Satisfactory scores on the Scholastic Aptitude Test of the College Entrance Examination Board. Specific scores required are listed under the categories of admission below. Official results of the SAT must be filed with the Admissions Office by the final date for the submission of an application for the quarter in which a student wishes to enroll. The Scholastic Aptitude Test is given in all states and many foreign countries at least six times annually. Students wishing to make application to take the test may secure application forms from their secondary school principal or counselor or from the College Entrance Examination Board, Box 592, Princeton, New Jersey 08540, or Box 1025, Berkeley, California 94701.

Admission Requirements and Categories of Admission

The applicant who has fulfilled the general admission requirements listed above will be granted admission to the College if he/she meets *at least one* of the following specific requirements:

a high school grade-point average of 1.8

or

a score of not less than 250 on the verbal section of the Scholastic Aptitude Test

or

a score of not less than 280 on the mathematics section of the Scholastic Aptitude Test.

Regular Admission

The applicant who meets *all three* of the following requirements will be granted *regular* admission to the College:

a total score on the Scholastic Aptitude Test of at least 750 (combined verbal and mathematics section)

and

a score of not less than 330 on the verbal section of the Scholastic Aptitude Test

and

a score of not less than 330 on the mathematics section of the Scholastic Aptitude Test.

Conditional Admission

The applicant who qualifies for admission to the College but who does not qualify for regular admission will be granted *conditional* admission. All conditionally admitted students must take the *Basic Skills Examination*. This examination should be taken before the student's first registration at the College. Test dates for the Basic Skills Examination appear in the Academic Calendar in this *Bulletin*. If a conditionally admitted student registers before taking the Basic Skills Examination, his/her choice of courses will be limited to English 98 and Reading 98 (if the student's SAT verbal score is below 330), Mathematics 98 (if the student's SAT mathematics score is below 330), Study Techniques 99, and Core physical education course.

The student who presents an SAT verbal score of 330 or higher and an SAT mathematics score of 330 or higher but whose combined SAT score is less than 750 must take the Basic Skills Examination for advisement purposes. When the examination has been taken, the student will be granted regular admission.

The student who presents an SAT verbal score of less than 330 and/or an SAT mathematics score of less than 330 will be granted regular admission if he/she passes all parts of the Basic Skills Examination. If he/she does not pass all parts of the examination, the student will remain conditionally admitted and will be required to enroll in appropriate courses in the Department of Special Studies until such time as his/her identified academic deficiencies are removed. Upon successful completion of the Special Studies courses required, the student will be granted regular admission.

A student in the Special Studies Program must have his/her schedule of classes approved by the Head of the Department of Special Studies each time the student registers or preregisters. The Head of the Department may refuse to allow a student in the Special Studies Program to enroll in any course for which the student lacks a prerequisite or for which the student's academic preparation appears inadequate.

A student in the Special Studies Program will not be allowed to continue as a student at the College if the student receives three grades other than P for a course required of him in the Special studies Program. Grades other than P include U, I, W, WU, and WF.

A student will exit the Special Studies Program and be granted regular admission status upon satisfying the requirements stated in the policies of the Special Studies Program. Copies of these policies may be obtained from the Special Studies departmental office.

Advanced Placement and Credit by Examination

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the student's grade on the College Board Advanced Placement Examination or the Admissions Testing Program achievement tests and approval by the appropriate department head at Armstrong State College.

College credit may be granted for satisfactory scores on selected tests of the College-Level Examination Program (CLEP), for satisfactory completion of appropriate courses and tests offered through the United States Armed Forces Institute (USAFI), and for military service schools and experience as recommended by the Commission on Accreditation of Service Experiences of the American Council on Education. Such credits may not exceed more than one-fourth of the work counted toward a degree.

Specifically, the student with a strong academic background may, through certain examinations, demonstrate competence in: Art 200; Biology 101, 102; English 111; Foreign Language 101, 102, 103; History 114, 115, 251, 252; Mathematics 101, 103, 104, 201, 220; Music 200; Natural Science without Laboratory; Nursing 101; Political Science 113; Sociology 201. For information concerning the examinations which apply to the specific areas, please make inquiry to the Office of Admissions, the Office of the Registrar, the Office of Counseling and Placement, or the Head of the appropriate Academic Department.

It is possible for a student, through a combination of the advanced placement and credit by examination programs, to begin his formal instructional program at Armstrong State College as a sophomore.

Requirements for Transfer Applicants

1. Transfer applicants will follow the same procedures as freshman applicants, except that transfer applicants who will have achieved sophomore standing at the time of their entrance will not be required to submit their high school records. Such records may be required by the Admissions Office, but normally the transcripts of previous college records will suffice in place of the high school record. A transfer applicant must ask the Registrar of *each* college he has previously attended to mail an official transcript of his record to the Admissions Office at Armstrong State College, regardless of the transferability of the credits.
2. Transfer applicants who will enter with less than 36 quarter hours completed must meet entrance requirements of both freshman and transfer applicants and will be required to submit their high school records as well as transcripts of college records.
3. A transfer applicant will not be eligible for admission to Armstrong State College unless he is eligible to return to the last college attended on the date he expects to enter Armstrong. A student who is on suspension from another college because of poor scholarship or for disciplinary reasons will not be eligible for admission.
4. A transfer applicant will be considered for admission to Armstrong State College, if, on *all* work attempted at other institutions, his academic performance as shown by his grade-point average is equivalent to the minimum standard required by Armstrong State College students of comparable standing. (See chart under Academic Probation and Dismissal Policy in the "Academic Regulations" section of this *Bulletin*.)

5. Credit will be given for transfer work in which the student received a grade of "C" or above. Credit will also be given for transfer work in which the student received grades of "D", with the limitation that such credit will not exceed twenty-five (25) percent of the total amount of credit accepted with grades of "C" or above. College credit will not be allowed for such courses as remedial English or remedial mathematics or courses basically of secondary school level.
6. Credits earned at an institution which is not a member of the appropriate regional accrediting agency can be accepted on a provisional basis only. A student transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on his first fifteen quarter hours of work at Armstrong in order to be eligible to continue. In certain areas he may be required to validate credits by examination. In computing cumulative grade averages, only the work attempted at Armstrong will be considered.
7. The amount of credit that Armstrong will allow for work done in another institution within a given period of time may not exceed the normal amount of credit that could have been earned at Armstrong during that time. A maximum of 100 quarter hours may be transferred from a junior college. At least half of the courses in the major field must be taken at Armstrong.
8. Not more than one-fourth of the work counted toward a degree may be taken through correspondence or extension courses. No correspondence courses may be used to meet requirements in the major field or the related field for the bachelor's degree. No correspondence course may be taken while a student is enrolled at Armstrong State College without prior approval of the Vice President and the head of the department in which the student is majoring. Correspondence credit will not be accepted for courses in English composition or foreign language.

Readmission of Former Students

A student who has not been enrolled at Armstrong for one or more quarters must apply for readmission on a form provided by the Admissions Office. This requirement does not apply to students who do not register for courses during the summer quarter. A former student who has not attended another college since leaving Armstrong may be readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended another college since leaving Armstrong must meet requirements as listed in the bulletin in effect at the time of his return.

Transient Students

Transient student status means that a student is admitted to Armstrong State College only for a specified period of time, normally for one quarter. An applicant for transient status must file a regular application form and

submit a statement from his Dean or registrar that he is in good standing and has permission to take specific courses at Armstrong to be transferred to his own institution when satisfactorily completed. Since transient students are not admitted as regular Armstrong students, transcripts of college work completed elsewhere are not usually required of such applicants. A transient student who wishes to remain at Armstrong longer than one quarter must submit an additional statement from his Dean or Registrar, or he must meet all requirements for regular admission as a transfer student.

Armstrong State College Accelerated Program for High School Students

High school students who have completed the eleventh grade, who have met the criteria for admission to the program and who maintain its standards will be permitted to enroll for college credit in at least one course but not more than two courses each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted as regular students of the College.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career. Students accepted in the program may choose any freshman course for which they meet all prerequisites, with permission of their high school principal or counselor and college advisor.

A student forfeits the privilege of this program if in any quarter his grade in the course is below C or his high school average in academic courses is below B.

The College will consider a student for this program only upon written recommendation of his high school principal or counselor. In the view of the College, it is only these individuals who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. written recommendation by the Principal or counselor of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and mathematics SAT score of 1,000;
4. a minimum grade-point-average of 3.0 in high school work completed.

Early Admission and Joint Enrollment Programs

Armstrong State College offers an early admission program for those students who have completed the eleventh grade in high school and who have demonstrated outstanding academic potential. The criteria for admission to this program are the same as those listed for the Accelerated Program.

Additionally, the college cooperates with the Chatham County School System in the offering of a joint enrollment program which is an early

admission program allowing the student to enroll full-time at the college while remaining on the rolls of his local high school. After successfully meeting all established criteria for the early admission program, the student will be awarded a high school diploma at the end of his freshman year in college. For further information on this program to the prospective applicant should consult his high school counselor and/or request information from the Admissions Office at Armstrong State College.

Foreign Students

It is recommended that, whenever possible, foreign students begin their attendance at the college in the fall quarter. The college also recommends that a foreign student attend an ELS language center prior to enrollment. (Applications for ELS are available from the Admissions Coordinator, ELS Language Center, 3331 Ocean Park Blvd. Suite 201, Santa Monica, California 90405.

A student from a country other than the United States who is interested in attending Armstrong must meet the following requirements before application is made:

1. He must have met the requirements of freshman applicants.
2. He must have an official transcript of his academic record mailed to the Admissions Office at Armstrong with an official translation.
3. He must take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the results be sent to Armstrong.
4. He must take the Test of English as a Foreign Language (TOEFL) and score a minimum of 500 for consideration for admission to the college.
5. He must submit a statement of financial resources prior to attendance.
6. He must show proof of adequate health and life insurance.

If the applicant meets the academic requirements for admission, he will be sent an application form. After it has been returned and approved, the applicant will be sent an I-20 Form (I-20A and I-20B), which he can take to the American consul to ask for a student visa. When he arrives on campus, he will be tested in English composition for class placement.

No scholarships are available for students who are not legal residents of Georgia. All foreign students must pay non-resident fees.

Admission of Veterans

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefit Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Laws 358, 361, or 634 should be prepared to pay tuition and fees at the time of registration.

Applicants Sponsored by Vocational Rehabilitation

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of applications.

Admission to the Associate in Science Degree Program in Nursing

Nursing requires a variety of skills and aptitudes and offers opportunities for service at differing levels of expertise. The associate degree nurse utilizes theories and principles from bio-psycho-social sciences and nursing as a basis for the nursing process. He/she uses the nursing process to support, promote or alter the client's adaptive state in response to identified, commonly occurring, health stressors. The associate degree nurse is prepared to work co-operatively with colleagues on the nursing team in those health agencies where the setting is structured and supervision is available. The candidate for the associate degree nursing program should have good physical and mental health as well as those personal qualifications appropriate for nursing.

The Associate in Science degree program in Nursing is approved by the Georgia Board of Nursing and is fully accredited by the National League for Nursing (NLN).

General Information

Admission to Armstrong State College does not in any way guarantee formal admission to the Associate Degree Program in Nursing. It is important that the applicant for admission to this program file all papers required for admission consideration as early as possible in the academic year preceding the Fall Quarter in which the applicant wishes to enroll. It is recommended that interested people who have been away from school for a considerable period of time enroll in at least one academic course in an accredited college of their choice during the year prior to application to the Associate Degree Nursing Program.

The Admissions Committee in the Department of Nursing will act only on completed applications. Admission decisions will normally be made in April each year. When the class has been filled, admissions will be closed. Students who qualify for admission but who are not admitted because of lack of space may re-apply for the following year's class, repeating all application procedures. Students admitted for a given academic year must enter the Nursing Program during that academic year or re-apply for admission for any subsequent year. Determination of admission to the Nursing Program is a function of the Nursing Faculty.

Transfer students must meet the minimum criteria for admission to The Department of Associate Degree Nursing as stated. Credit for nursing courses and science courses taken prior to application to the Nursing Program must be approved by The Department of Associate Degree Nursing.

The major part of the applicant's high school work should be in the college preparatory area. Because of the heavy emphasis on science in the nursing curriculum, it is important that the applicant have a strong foundation in biology, chemistry, and mathematics. The quality of the applicant's high school work in English and Social Studies is important in the total evaluation of the qualifications for admission to the program.

In addition to the usual college tuition and fees, the student in the Associate degree Nursing Program must purchase uniforms and some supplies and equipment. Each student is required to wear the official insignia of the Nursing Program on an approved uniform. Approximately two weeks before the opening of school, each student admitted to the program will receive information, along with approximate charges, concerning supplies, equipment, and uniforms needed for the Fall Quarter. Students in the program are responsible for providing their own transportation to and from the community hospitals and other health agencies which furnish their facilities for use in clinical instruction within the program.

Before registering for the first nursing courses, each student must have (1) proof of nursing liability insurance; (2) a satisfactory health record; (3) successfully completed all English and Mathematics diagnostic requirements, if applicable.

How to Apply

1. Complete all papers required in the application for admission to Armstrong State College. The procedures for admission to the College are outlined in this section of the *Bulletin*. Mark the application *For Nursing Only*.
2. An applicant for admission to the Associate Degree program in Nursing will not be considered until the student has received *regular* admission to the College.
3. The applicant must send SAT scores and the appropriate transcripts to the Department of Nursing (in addition to those submitted as part of the procedures required for admission to the College).
4. When the applicant has been admitted to the College as a regular student and when the Department of Nursing has received the applicant's transcripts and SAT scores, he/she will be given an application form for admission to the Associate Degree program in Nursing.
5. Applicants who are on academic probation or suspension from another college will not be considered for admission to the program.

Criteria for Admission

Applicants who meet the following minimum criteria will be considered for admission to the program at the time of application. The actual determination of admission of applicants to the Nursing program is a function of the Nursing faculty.

1. a combined score of 750 on the verbal and mathematics sections of the Scholastic Aptitude Test of the College Entrance Examination Board,

with a score of not less than 350 on the verbal section and a score of not less than 350 on the mathematics section;

2. a minimum grade-point average of 2.5 (based on a 4.0 scale) in a high school curriculum which includes natural and social sciences;

3. a minimum overall adjusted college grade-point average of 2.0 (based on a 4.0 scale), *if applicable*. Within this overall 2.0 grade-point average, a 2.0 grade-point average for any courses taken from within the General Requirements listed in the Associate degree curriculum in this *Bulletin*, with no more than one repeat grade among these courses.

Applicants who do not meet the criteria for admission outlined above may apply for admission after having met the following criteria.

1. completion of the following specific General Requirements as listed in the Associate degree curriculum in this *Bulletin*:

two courses selected from Chemistry 201, Zoology 208, Zoology 209 with grades of "C" or better;

three courses selected from English 111, 112; History 251 or 252; Political Science 113; Psychology 101 with a 2.0 average or better.

These five courses must be completed no later than the end of the Winter Quarter prior to the Fall Quarter for which admission is sought.

2. maintenance of an overall adjusted college grade-point average of 2.0 (based on a 4.0 scale), with a grade-point average of 2.0 for any courses taken within the General Requirements of the Associate degree curriculum in addition to those listed above.

3. No more than one repeat grade in any of the General Requirements of the Associate Degree curriculum.

Time Limit for Program Completion

Students must complete the Associate degree program within three (3) consecutive academic years from the date of their initial admission to the program. Students who do not complete the program within this time limit must reapply for admission, meet current criteria for admission, and have their previous credits evaluated at the time of their subsequent admission. Students who are readmitted must meet course requirements in effect at the time of their readmission.

Readmission to the Program

Students who have been admitted to and enrolled in The Associate Degree Program in Nursing but have been involuntarily suspended from the program for academic reasons or have withdrawn from the program, may apply for readmission only if they have maintained an overall adjusted college grade-point average of 2.0, have earned a 2.0 average in all courses taken from within The General Requirements of The Associate Degree curriculum with not more than one repeat from among these courses and have passed each science course attempted with a "C" or better in at least two of these courses. Students must reenter no later than one year from the time of suspension or withdrawal. If they do not reenter within one year, they will be required to apply as a new student, meeting the admission criteria and progression criteria in effect at that time.

Admission to the Bachelor of Science Degree Program in Nursing

The Baccalaureate Nursing Department at Armstrong State College offers a curriculum which provides entering freshmen, transfer students, and Registered Nurses the opportunity to earn the degree of Bachelor of Science in Nursing. The major portion of the applicant's high school work should be in the college preparatory area since nursing builds upon the sciences, languages, mathematics and social studies.

Applicants to the Baccalaureate Degree Nursing Program must be admitted to Armstrong State College prior to making application to the Nursing Major. Students admitted to Armstrong State College must meet the admission requirements of the Baccalaureate Nursing Department to be eligible for admission to the Pre-nursing classification or the Nursing Major. Admission to the Nursing Major is the function of the Nursing Admissions Committee. The Admissions Committee acts only on completed applications.

When the class is filled, the Admissions Committee will close admissions. Students who qualify but who are not admitted because of lack of space may reapply for the next quarter that students are admitted. Students will be admitted to the Nursing major Fall and Winter Quarters.

Because clinical learning experiences are provided in a variety of settings, students will be responsible for providing their own transportation to and from clinical areas. Armstrong State College does not provide student housing. Students should contact the Office of Student Affairs for information regarding housing available in the area.

Students will be required to purchase an official uniform, health and liability insurance, and supplies and equipment as determined by the Baccalaureate Nursing Faculty. Each student will be required to wear the official insignia of the Nursing Program on each uniform. Information regarding medical histories, liability insurance, uniforms, supplies and equipment will be provided after admission to the Nursing major.

Criteria for Admission – Pre-Nursing

Freshman applicants may be admitted to the Baccalaureate degree program with a pre-Nursing classification at the beginning of any academic quarter. Such admission does not guarantee admission to the Nursing major. These applicants must:

1. have regular admission status at the College;
2. have a minimum SAT verbal score of 350;
3. have a minimum SAT mathematics score of 350;
4. have a verbal/mathematics combined SAT of at least 750;
5. qualify prior to or during the first quarter of their attendance for admission to English 111 and Mathematics 101 (this qualification may be achieved by presentation of a SAT verbal score of 500 and a SAT mathematics score of 420 *or* by taking and passing the placement examinations for each of the courses *or* by successfully completing the appropriate remedial English and Mathematics courses).

Transfer students must have a 2.0 cumulative grade-point-average in all appropriate college course work to be admitted with the pre-Nursing classification.

Criteria for Admission to the Nursing Major

Admission to the Nursing major is on a space-available basis and is limited to the best qualified students as determined by the Admissions Committee for the Baccalaureate Program. Admission criteria include:

1. Completion of 49 hours of prerequisite course work as indicated in the pre-Nursing curriculum;
2. A grade of "C" or better in each pre-professional course; no more than one repeat grade will be acceptable;
3. An adjusted GPA of 2.5 in all appropriate course work attempted. See curriculum requirements.

Transfer applicants with credit beyond the sophomore level must fulfill the requirements for both pre-Nursing and pre-professional courses as indicated in the curriculum for the Nursing major. Their level of entry will be determined by the Admissions Committee for the Baccalaureate program. No more than 100 credit hours will be accepted in transfer from a junior college. A transfer student must take the Regents' Examination during his/her first quarter of attendance, if he/she has earned 45 quarter hours or more of credit. *Registered Nurse applicants* must meet the criteria established for transfer students and must also submit proof of licensure. After admission to the Nursing major, registered nurses may challenge a maximum of 30 credit hours of Nursing courses through oral and/or written examinations. Students will be awarded senior-level status upon completion of 135 credit hours of appropriate course work (including successful performance on challenge examinations and successful completion of BSN 300 and 306). CLEP examinations for general education courses may be taken, with the total credit for these examinations not to exceed 25 percent of the required quarter hours acceptable for the Nursing major.

Time Limit for Program Completion

Students must complete the Baccalaureate Nursing Program within four (4) consecutive years from the date of their initial admission to the Nursing major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits evaluated. Students who are granted readmission must meet course requirements in effect at the time.

Readmission Procedures

1. The student must complete the readmission application for Armstrong State College and the Nursing major.
2. The student will be required to meet curriculum requirements in effect at the time of readmission.

3. The student's readmission will be based upon space available and recommendation by the Admissions Committee of the Baccalaureate Program.

Admission to the Associate in Science Degree Program in Dental Hygiene

The profession of Dental Hygiene is an ideal career for individuals interested in science and health services. The growing and constant demand for graduate dental hygienists assures regular hours and good compensation.

A dental hygienist works under the general supervision of a dentist and performs a number of dental functions. The hygienist's duties usually include performing oral prophylaxis (cleaning of teeth), instructing patients in dental health, taking, developing and mounting dental x-rays, applying fluorides and sometimes assisting the dentist in chairside and laboratory duties.

There are certain personal qualifications which are essential for a successful dental hygienist. These are good health, neat appearance, high moral character, a desire to be of service to others, and the ability to get along well with people.

There are no definite age requirements or restrictions for the basic Dental Hygiene program. However, all applicants must be graduates of an accredited high school or its equivalent. Students may be either married or single and must be citizens of the United States, either natural born or naturalized.

General Information

Admission to Armstrong State College does not in any way guarantee admission to the Associate Degree Program in Dental Hygiene. Applicants must first be accepted for admission to the college with Regular Admission status; they then must meet the requirements for admission to the Associate Degree program in Dental Hygiene before being accepted as students in that program.

The purpose of the program is to meet the need for individuals educated in this rapidly growing and important health profession. Dental Hygienists are in demand to provide dental health services in private dental offices, civil service positions, school programs, and various public health fields. They practice under the supervision of a dentist and must pass a written national board examination and a state board examination for licensure.

Admission to the program is limited to thirty students in each class. Students enroll in the Fall Quarter of each year. Applications for admission should be completed by April 15 for the Fall Quarter. These applications must include a transcript of academic work to that date. A complete transcript must be submitted as soon as possible thereafter.

The major part of the applicant's high school work should be in the college preparatory area. Because of the heavy emphasis on science in the

dental hygiene curriculum, it is important that the applicant have a strong foundation in biology, chemistry, and mathematics. The quality of the applicant's high school work in English and Social Studies is important in the total evaluation of the qualifications for admission to the program.

Applicants who are on academic probation or suspension from another college will not be considered for admission to the program. Unless specifically approved by the Head of the Department, credit will not be accepted for courses taken in another school of Dental Hygiene.

In addition to the normal college tuition and fees, the student in the Dental Hygiene program must purchase some supplies and equipment. Only new, complete, and approved instrument kits are acceptable. Each student is required to wear the official uniform of the program. These uniforms are ordered during the Fall Quarter. Approximately two weeks before the opening of school, each student admitted to the program will receive information, with approximate costs, concerning supplies and equipment needed for the Fall Quarter.

Armstrong State College does not provide student housing. For information regarding housing available in the area, contact the Office of Student Affairs. Students are responsible for providing their own transportation to and from community agencies when they are assigned to these agencies for field experiences.

Desired Admission Criteria

Factors influencing the decisions of the Dental Hygiene Admissions Committee are:

1. A 2.5 or better high school grade-point average.
2. A SAT score (composite verbal and mathematics) of 850 or above.
3. An average score on the Dental Hygiene Aptitude test of 4.0. This test is recommended but is not required.
4. Dental office experience.
5. A 2.0 grade-point average on all previous college work, if applicable. Students transferring from another program within the college or from another college must have this average to be considered for admission. The 2.0 average must be maintained to date of actual matriculation in the program.

The Dental Hygiene Admissions Committee will give special consideration to applicants who have completed one year of college work and who have completed Chemistry 201 or Zoology 208 (or their equivalents) with a grade of "C" or better.

After all credentials have been received, the applicant may request a personal interview with the Admissions Committee to discuss matters relative to their applications.

Readmission to the Program

Students who have been admitted to and have enrolled in the Dental Hygiene program but who have either withdrawn or have been dropped from the program may apply for readmission to the program only if they

have a cumulative college grade-point average of 2.0 (C) at the time they wish to reenter.

How to Apply

1. Complete all papers required in the application for admission to Armstrong State College. The procedures for admission to the College are outlined in this section of the *Bulletin*. Mark the application *For Dental Hygiene Only*. These forms are to be returned to the Admissions office.
2. Complete and return to the Department of Dental Hygiene the personal data form, the dental form, and a recent photograph.
3. It is recommended, but not required, that all applicants take the Dental Hygiene Aptitude Test. In order for the test scores to reach the Department of Dental Hygiene before April 15, the test should be taken during the Fall or Winter testing period.

Applicants may address the Director of Admissions or the Head of the Department of Dental Hygiene at Armstrong State College if they require additional information concerning admission to the Associate in Science degree program in Dental Hygiene.

Registration

Complete instructions concerning registration are made available to all students at the beginning of the registration period. Registration includes academic advisement, selection of courses, enrollment in classes, and payment of fees. Students who are employed may complete and renew annually a request for priority in registration before or early in the preregistration week in the Registrar's Office. Full details regarding registration are provided to all incoming students after they have been approved for admission to the College.

Residency Requirements of the Board of Regents

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon a showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
(b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that he or she has in fact established legal residence in this State.
2. If a person is under 18 years of age, he or she may register as a resident student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.

3. A person stationed in Georgia who is on full-time, active military duty with the armed forces and his or her spouse and dependent children may register upon payment of resident fees even though they have not been legal residents of Georgia for the preceding twelve months.
4. A full-time employee of the University System and his or her spouse and dependent children may register on the payment of resident fees even though he or she has not been a legal resident of Georgia for the twelve months.
5. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.
6. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees, when such teachers have been legal residents of Georgia for the immediately preceding nine months, were engaged in teaching during such nine month period, and have been employed to teach full-time in the public schools of Georgia during the ensuing school year.
7. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.
8. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for that institution.
9. If the parents or legal guardian of a minor change his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration only upon the payment of fees at the non-resident rate.
10. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.

VI. ACADEMIC REGULATIONS

Academic Advisement

Academic advisement is made available to each student at Armstrong State College. The Vice President gives overall direction to the advisement program, with the appropriate Department Head coordinating advisement activities within the various departments. The student is expected to seek advisement from the department in which he is taking a major. The advisor maintains a record of his advisees' academic progress from quarter to quarter. The student who does not take advantage of the academic advisement program at the College should be reminded that he is responsible for fulfilling the requirements of his degree program and must be extremely careful to observe all regulations for admission to courses, such as the requirement of prerequisite courses, sometimes with a specified grade. Credit for a course is invalid unless all prerequisite requirements are observed.

During summer orientation, or on registration day, all new students, both freshman and transfer students, will meet in groups with advisors. At this time, students make a selection of appropriate classes for their quarter of entry. The proper time for meeting with faculty advisors from that point on is during the advisement periods each quarter listed in the college calendar. All faculty advisors, however, will be happy to give academic counseling at any time during a given quarter, if students need to talk with them.

During the six quarters of his junior and senior years, the student *must* have his course selection approved in writing each quarter before registration by an advisor from the department in which he is majoring. During these last two years, the advisor will keep a record of the courses the student takes and the grades he makes, and, at least two quarters prior to graduation, when the student obtains the Application for Graduation, the advisor will signify to the registrar that the student has completed all requirements for graduation in his major program up to that time, and is, therefore, recommended for graduation upon his completion of the remaining requirements in his degree program.

Relating to Degree Requirements

1. Each student is responsible for fulfilling the requirements of the degree program which he has chosen, in accordance with the regulations of the college catalogue.
2. Exceptions to course requirements for a degree are permitted only with the written approval of the appropriate Dean, upon the recommendation of the department head.

3. A student will normally graduate under the catalogue in effect at the time of his admission to the College. Armstrong State College, however, reserves the right to change any provision listed in this catalogue, including but not limited to academic requirements for graduation, without actual notice to individual students. If a student has been absent from the College for two or more consecutive years, he should expect to meet all requirements in effect at the time of his return.
4. Not more than one-fourth of the work counted toward a degree may consist of courses taken by correspondence, extension, or examination. No correspondence courses may be used to meet the requirements in the major field or related fields for the Bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the appropriate Dean and the head of the department in which the student is majoring.
5. By State law, one of the requirements for a diploma or certificate from schools supported by the state of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong State College may demonstrate such proficiency by:
 - a. Examinations — Students may take either the relevant CLEP, College Board Admissions Testing Program Achievement Test, or Advanced Placement test (making their own arrangements).
 - b. Credit in the following — for U.S. and Georgia Constitution: Political Science 113; for U.S. and Georgia History 251 or 252 or any upper division course in U.S. History.
6. To qualify for the baccalaureate degree, a student must earn at Armstrong at least 45 quarter hours of credit applicable toward the degree. Additionally, the student must complete successfully at Armstrong a majority of the upper division credits required in his major field of study. For the Associate Degree, the student must complete at least 45 quarter hours of course work at Armstrong State College.
7. For graduation the student must earn an overall-average of 2.0 or better considering work taken at all colleges, computed in such manner that a course will be counted only once, regardless of the number of times that it has been repeated. The grade earned in the last attempt will determine the number of honor points assigned for graduation. Additionally, the student must earn a grade-point average of 2.0 or better on each of the following:
 - a. all work at Armstrong
 - b. all courses in the major field.
8. To qualify for a second baccalaureate degree, a candidate must earn at Armstrong at least 45 additional hours of credit and, of course, meet all qualitative requirements for the degree.
9. Before a degree will be conferred upon a student by Armstrong State College he must pay all fees and must submit to the Registrar his completed Application for Graduation two quarters before graduation. A candidate for a degree, unless excused in writing by the

President, Vice President, or Dean of Student Affairs, must attend the graduation exercises at which a degree is to be conferred upon him.

10. Each student must successfully complete the Regents' Examination and must take an Exit Examination in his major field as requirements for graduation. Candidates for a second baccalaureate degree are exempted from the Regents' Examination requirement.

Course and Study Load

The normal course load for a full-time student is 15-18 quarter hours (and a course in physical education during the freshman and sophomore years). An average student should devote at least thirty hours each week, in addition, to course preparation.

A full-time student is defined as one who is registered for 12 or more quarter hours. A part-time student is one registered for less than 12 quarter hours. A student should plan about ten hours preparation per week for each 5 quarter hour course.

Classification of Students

A student who has earned 45 quarter hours of credit will be classified as a sophomore; 90 quarter hours of credit, as a junior; 135 quarter hours of credit, as a senior.

Permission for Overload or Courses at Another College

Permission to enroll for more than 18 quarter hours will be granted by the Registrar to a student:

1. with an average grade of "B" for full-time enrollment in the preceding quarter, *or*
2. with an overall grade-point average of 3.0, *or*
3. requiring an extra course in one of the two quarters prior to graduation.

No student will be allowed to register for more than 21 quarter hours in any one quarter.

A student who is on academic probation will not be permitted to register for more than 18 quarter hours in any one quarter.

Exceptions to these limitations may be made only by the appropriate Dean.

A student enrolled at Armstrong who at the same time takes course for credit at another college may not transfer such credit to Armstrong, unless he has obtained in advance the written permission of the appropriate Dean at Armstrong State College to register for those courses.

Reports and Grades

The faculty feels that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar. Instead, the students themselves receive these reports and are expected to contact their advisors whenever their work is unsatisfactory. Grade reports are issued at the end of each quarter. Each student has access to an advisor; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Armstrong State College awards the following grades which are used in the determination of a student's grade-point average:

	<i>Grade</i>	<i>Honor Points</i>
A	(excellent)	4.0
B	(good)	3.0
C	(satisfactory)	2.0
D	(passing)	1.0
F	(failing)	0.0
WF	(withdrew, failing)	0.0

The student's cumulative grade-point average recorded on his permanent record card is determined by dividing the total honor points earned by the total hours attempted. The student's adjusted grade-point average is determined by dividing the total honor points earned by the total hours attempted, with hours and honor points for repeated courses not duplicated in the calculation.

Armstrong State College also uses the following symbols for grade reports. These symbols carry no honor points and are not included in the determination of either the cumulative grade-point average or the adjusted grade-point average.

<i>Symbol</i>	<i>Explanation</i>
W	withdrew, no penalty
I	incomplete
S	satisfactory
U	unsatisfactory
V	audit
K	credit by examination
P	passing, special studies

A student who receives a report of "I" for a course should consult his instructor at once and arrange to complete the requirements of the course. An "I" which has not been removed by the middle of the succeeding quarter is automatically changed to an "F" unless the instructor recommends an extension in writing addressed to the appropriate Dean. The "S" and "U" symbols may be utilized for completion of degree requirements other than academic course work (such as student teaching, clinical practice, etc.). Withdrawal without penalty (W) is not permitted after the quarterly dates listed in the "Academic Calendar" in this *Bulletin* as the

dates for mid-term. Exceptions to this policy must be approved by the Vice President and will be approved only on the basis of hardship.

Honors

Dean's List: Students enrolled for at least ten quarter hours of course work who earn an honor point average of at least 3.5 will be placed on the Dean's List, published quarterly. Only course work taken at Armstrong will be used in the computation of Dean's List honors.

Cum Laude: Those students graduating with an honor point average of 3.2 through 3.499 will be graduated *cum laude*.

Magna Cum Laude: Those students graduating with an honor point average of 3.5 through 3.799 will be graduated *magna cum laude*.

Summa Cum Laude: Those students graduated with an honor point average of 3.8 through 4.0 will be graduated *summa cum laude*.

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation.

Attendance

The control of student attendance at class meetings and the effect of a student's attendance on his grades in a course are left entirely to the discretion of the instructor.

A student is responsible for knowing everything that is announced, discussed, or lectured upon in-class as well as for mastering all assigned reading; he is also responsible for turning in on time all assignments and tests, including recitation and unannounced quizzes. The best way to meet these responsibilities is to attend classes regularly. An instructor may drop a student from any class with a grade of "F" if he thinks that the excessive absence prevents that student from satisfactorily fulfilling his responsibilities. If such excessive absence is the result of prolonged illness, death in the family, college business, or religious holidays, the withdrawal grade will be either "W" or "F" depending on the student's status at the time he was dropped. The instructor will be responsible for informing each of his classes at its first meeting what constitutes excessive absence in that particular class. Each student is responsible for knowing the attendance regulation in his class and for complying with it.

Satisfactory Progress

For purpose of financial aid, a student is deemed to be making satisfactory progress toward a degree until such time as he/she is placed on academic suspension from the College. The student, upon his readmission to the College, must, in the first quarter after readmission, earn a 2.0 grade-point-average before he/she is again considered to be making satisfactory progress toward a degree. The award of financial aid will be suspended during this quarter.

Academic Probation and Dismissal

A student who maintains or exceeds the grade-point average indicated below for quarter hours attempted will be considered in good standing.

When a student first falls below the GPA required for the appropriate accumulation of hours, he will be placed on academic warning. If he does not raise his GPA to a satisfactory level the next quarter, he will be placed on academic probation.

<i>Quarter Hours Attempted at Armstrong and Elsewhere</i>	<i>Required Adjusted GPA</i>
0-15	1.3
16-30	1.4
31-45	1.5
46-60	1.6
61-75	1.7
76-90	1.8
91-120	1.9
121-135 and over	2.0

A student on academic probation who raises his adjusted grade-point average during the probationary quarter to equal or to exceed the appropriate figure in the foregoing table will be removed from academic probation. One who fails to achieve the required adjusted average, but who does earn an average of at least 2.0 during the probationary quarter, will be continued on probation for the next quarter of attendance. The College places no restrictions on the extracurricular activities of students who are placed on academic probation. Any student on academic probation should plan both his curricular and extracurricular activities with care, consulting with his advisor in so doing.

The student on academic probation who does not achieve the required adjusted average or who does not earn an average of at least 2.0 for the quarter in which he is on probation will be suspended from the college for one quarter. A student who is on academic suspension for the first time, however, has the option of attending summer school without having to appeal the suspension. A third academic suspension is final.

A student reentering the college after academic suspension is placed on probation and must meet the requirements listed above.

A student suspended for academic reasons may appeal by letter to the Committee on Academic Standing to be delivered to the Office of Student Affairs. Such a letter of appeal should state the nature of any extenuating circumstances relating to the academic deficiency; the letter should be received no later than 9 a.m. on registration day. No action will be taken on appeals received later than 12:00 noon on the day following registration day. The action of the Committee on Academic Standing is final.

Repeating Courses

Any course for which a grade of "D" or "F" has been recorded may be repeated with the last grade to be counted in the adjusted grade-point

average. A student who repeats any such courses should complete a "Notice of Course Repetition" form available in the Office of the Registrar.

Dropping Courses

A student desiring to drop a course after the quarter has begun must obtain a Drop-Add Notice in the Office of the Registrar. The notice must be signed by the instructor of the course being dropped and returned by the student to the Registrar's Office.

A student who drops a course not more than seven class days after the course begins will receive no grade for the course. A student who drops a course after the first seven class days and on or before the quarterly dates listed in the "Academic Calendar" in this *Bulletin* for mid-term will receive a "W" or a "WF" depending on his status in the course. *A student may not drop a course without penalty following the quarterly dates listed in the "Academic Calendar" for mid-term.*

Withdrawing from College

Any student who finds it necessary to withdraw from college must begin the process in the Office of Student Affairs. A formal withdrawal is required to insure that the student is eligible to return to Armstrong State College at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the withdrawal form.

Auditing

A regular student wishing to "audit" a course without receiving credit must obtain permission of the instructor before he registers for the course. During the registration process the student should request a special "audit" course card. (Policy for some courses forbids "auditing.") A student may not change from audit to credit status or from credit to audit status after he has completed the process of registration for a course. A student who audits a course will have a "V" recorded for that course on his transcript. The regular schedule of fees applied to auditors.

Honor Code

The Honor Code at Armstrong State College is dedicated to the proposition that the protection of the grading system is in the interest of the student community. The Student Court is an institutional means to assure that the student community shall have primary disposition of infractions of the Honor Code and that students accused of such infractions shall enjoy those procedural guarantees traditionally considered essential to fair and impartial hearing, the foremost of which is the presumption of innocence until guilt be established beyond a reasonable doubt.

I. Responsibilities of Students:

All students must agree to abide by the rules of the Honor Code. A student shall not be accepted at Armstrong State College unless he signs the following statement at the time of his first registration: "I have read the Honor Code of Armstrong State College. I understand the Code and agree that, as a student at Armstrong, I must comply with these requirements." This statement shall be printed on the application for admission to the college and must be signed by the student. The Honor Code shall be printed in the official bulletin and the Student Handbook.

It will be the responsibility of the Student Court or its designated representative to conduct an orientation program at the beginning of each quarter for all newly entering students to explain fully the Honor Code and to allow full discussion of its requirements.

Any student desiring assistance with any matter related to the Honor Code is invited to seek assistance in the Office of Student Affairs.

II. Violations of the Honor Code:

Violations of the Honor Code may be of two kinds: (a) general and (b) those related to the peculiarities of specific course-related problems and to the understanding of individual instructors. Any instructor whose conception of cheating would tend to enlarge or contract the general regulations defining cheating must explicitly notify the affected students of the qualifications to the general regulations which he wishes to stipulate. The following will be considered general violations of the Honor Code.

1. Giving or receiving any unauthorized help on any assignment, test or paper. The meaning of "unauthorized help" shall be made clear by the instructor of each class.
2. Stealing when related to cheating.
3. Plagiarizing.
4. Giving perjured testimony before the Student Court.
5. Suborning, attempting to suborn, or intimidating witnesses.
6. Failing to report a suspected violation of the Honor Code.

III. Reporting Violations of the Honor Code:

Anyone wishing to report a violation may come to the Office of Student Affairs for assistance in contacting members of the Student Court.

- A. Self-reporting: A student who has broken the Honor Code should report himself to a member of the Student Court.
- B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter. This may be done in one of two ways:
 1. He may tell the person thought to be guilty to report himself to a member of the Student Court no later than the end of the next school day. After this designated time the person who is aware of the violation must inform a member of the Student Court so that the Student Court may contact the accused person if he has not already reported himself.

2. He may report the suspected violation directly to a member of the Student Court without informing the accused.

IV. The procedural rights of the students accused of violations of the Honor Code:

The essence of the procedural rights of an accused is the right to a fair and impartial hearing and the right to be presumed innocent until proven guilty. Specific rights are as follows:

1. The accused will be notified in writing by the Student Court or its designated representative of the nature and details of the offense with which he is charged along with the names of his accusers and the principal witnesses to be brought against him. This notification shall occur no less than three days prior to the date of the hearing.
 2. The accused has the right to counsel of his own choosing. Such counsel will not participate directly in the proceedings except to advise his client. It is expected that such counsel will be drawn from the college community.
 3. The accused and the person bringing the charges shall be afforded an opportunity to present witnesses and documentary or other evidence. The accused and any individual bringing the charges shall have the right to cross examine all witnesses and may, where the witnesses cannot appear because of illness or other cause acceptable to the Court, present the sworn statement of the witnesses. The Court shall not be bound by formal rules governing the presentation of evidence, and it may consider any evidence presented which is of probative value in the case.
 4. The accused may not be made to bear witness against himself. The Court may not take the refusal of the accused to testify as evidence of guilt, but this proviso does not give the accused immunity from a hearing or from recommendations reached in a hearing simply because the accused does not testify.
 5. The accused shall have access to a complete audiotape of the hearing and to the record prepared by the secretary.
 6. The substantive facts of a case may be re-opened for consideration upon initiation of the accused acting through normal appeal channels. The accused shall not be put in double jeopardy.
 7. All witnesses will be sequestered from the hearing room during the course of a hearing. Witnesses may not discuss a pending case.
 8. By prior agreement, the accused will be allowed such observers of the hearing as may be commensurate with the space available. Otherwise, in the interests of the right of privacy of the accused, hearings will be private, except that the College may also have observers additional to the advisors to the Student Court.
- V. The Honor Code Commission, The Student Court Selection Committee, The Student Court, and Advisers to the Court:
- A. Honor Code Commission

It shall be the purpose of the Honor Code Commission to administer the student academic honor code. The Commission will have the responsibility for revising and updating the student academic honor code as needs arise. The Honor Code Commission shall consist of the President, Vice-President, and Secretary of the Student Government Association and the current President and Secretary of Student Court together with three faculty members appointed by the President of the College.

B. Student Court Selection Committee

The Student Court Selection committee will select members for the Student Court. The Student Court Selection Committee will consist of two faculty members from the Honor Code Commission, one of whom is the chairperson of that commission, two students from the Honor Code Commission, one of whom is a member of the Student Court, two faculty members from the Conduct Committee, one of whom is the chairperson of that committee, two students from the Conduct Committee, one of whom is a member of the Student Court, and the Dean of Students.

C. Student Court

1. The Student Court will be selected by the Student Court Selection Committee and will be composed of twelve students. Due consideration will be given to equitable apportionment of court members on the basis of academic class, race, and sex. Students on academic probation may not serve. All appointments will be issued and accepted in writing. Appointments will be made during Spring Quarter in time for newly elected members of the Court to assume their duties by May 1. Appointments will be made as needed to keep the Student Court staffed to do business on a reasonably prompt basis. These appointments may constitute permanent or temporary replacements as the Student Court Selection Committee deems necessary.
2. The Student Court will elect a President, Vice-President, and a Secretary from its membership. The President will preside at all meetings. The Vice-President will assume the duties of the President if the President is absent. The Secretary will maintain written notes of all proceedings and audiotape records of all testimony, and will maintain exhibits of evidence which by their nature may reasonably be maintained in the Court files. A quorum of the Court shall consist of eight members. A two-thirds majority secret ballot vote is required to reach a finding of guilty. All other questions may be decided by a simple majority vote.
3. Constituency of the Student Court during the Summer Quarter shall include all appointed members in attendance, and other shall be appointed to membership by the Student Court Selection Committee.

4. Student Court Members shall examine their consciences carefully to determine whether they can in good conscience serve on a panel hearing a particular case, and in the event that there is any doubt, whatsoever, such members shall excuse themselves from duty on the specific panel in question.

B. Advisers to the Court

1. An adviser and an associate adviser to the Student Court shall be appointed by the President of the College.
2. Ordinarily the adviser will serve in that office for one year only and usually will be succeeded in that position by the associate adviser. Therefore, after the initial appointments, only an associate adviser will ordinarily be appointed each year. The succession of an associate to the adviser position is deemed to occur on the last day of Spring Quarter. If, for any reason, the adviser is unable to complete his term, the associate adviser shall succeed to the office of adviser and another associate adviser shall be appointed by the above procedures. If, during the Summer Quarter, neither adviser is on campus, a temporary adviser will be appointed.
3. Duties of the adviser and the associate adviser: It shall be the duty of the adviser to consult with the Court and to offer advice to the President and members of the Court on substantive and procedural questions. The adviser, or the associate adviser in the event the adviser is unable to attend, shall be present at all meetings and hearings of the Court. The Adviser may not vote nor may he participate directly in the conduct of hearings before the Court except through the chairman, or acting chairman, of the Court. The adviser should be governed at all times by the principle that a hearing before the student court is primarily a matter of student responsibility.

VI. Procedures and Penalties adopted by the Student Court:

The Student Court shall formulate its own bylaws governing internal organization and procedure. Such bylaws must be consistent with the Honor Code.

- A. Hearings shall be called by the Court President to be held on a date not less than three (3) nor more than ten (10) class days after notice to the accused as provided in Section IV-2. Exceptions to these time requirements may be granted.
- B. Upon reaching a finding of guilty, the Court shall make a recommendation to the Vice President of the College as to the administrative action it deems appropriate within the following limitations:
 1. A minimum penalty shall be loss of assignment or test credit for the assignment or test for violations involving cheating as specified in Section II, subsections 1, 2, and 3. Additional penalties such as reprimands, suspension, or others may be recommended for any aspects of Section II.

2. Maximum penalty for a first offense of any type shall be suspension for a full calendar year.
 3. Maximum penalty for a second offense may be suspension for three years.
- C. Immediately following a hearing, the accused will be informed of the Court's finding, and its recommendation to the Vice President of the college. If the finding is guilty, the accused will be informed that the Court may re-open the case with the consent of the accused for good cause, within a three week period.
 - D. The Vice President of the College will inform all involved persons in writing of the action he has taken in view of Court recommendations. The Court Secretary will post public notice of the Vice President's action by case number without identifying the accused.

VII. Appeals of Findings and Penalties:

Should a student have cause to question the findings of the Court or the action of the Vice President of the College or both, he has the right to appeal. The channels of appeal are as follows:

- A. Court findings and/or the administrative action of the Vice President of the College may be appealed within five days by writing the President of the College. Further appeal procedures will conform to the appeal procedures of the College and of the *Policies of the Board of Regents*, University System of Georgia (a copy of these policies is available in the Library; see chapter on Students, section on appeals, page 165, 1969 edition).

VIII. Supervision of the Student Court:

As an institutional means of responding to reported infractions of the Honor Code, the Student Court is ultimately responsible to the President of the College.

Supervision of the Student Court will be accomplished ordinarily through the Dean of Student Affairs and the Advisors.

A. Dean of Student Affairs

In accordance with Article VI, Section F, of the College Statutes, the Dean of Student Affairs will provide general supervision of the Student Court and will provide other guidance or services as directed by the President of the College.

- IX. Revision of the Honor code will require confirmation by the majority vote of those faculty and student body members voting.

VII. General Requirements for Degree Programs

University System Core Curriculum

Each unit in the University System of Georgia requires as a Core Curriculum for all baccalaureate degree programs the following minimum number of quarter hours in the major areas of study:

<i>Areas of Study</i>	<i>Minimum Quarter Hours Required</i>
I. Humanities, including, but not limited to grammar and composition and literature	20
II. Mathematics and the natural sciences, including, but not limited to, mathematics and a 10-hour sequence of laboratory courses in the biological or physical sciences	20
III. Social Sciences, including, but not limited to, history and American government	20
IV. Courses appropriate to the major field of the individual student	30
	TOTAL . . . 90

In addition to the University System Core Curriculum requirements as outlined above, Armstrong State College requires six quarter hours in physical education as part of all baccalaureate degree programs.

Armstrong State College Core Curriculum

The student in any baccalaureate degree program at Armstrong State College must complete the following specific Core Curriculum requirements. Consult the relevant departmental section for a complete statement of degree requirements for a specific program. Certain courses in the Core Curriculum may be exempt with credit awarded. See "Admission" section of this *Bulletin*.

	<i>Quarter Hours</i>
Area I. Humanities	20
English 111, 112, 211	
One of the following courses:	
Art 200, Art 271, Art 272, Art 273, Music 200,	
Philosophy 200, Philosophy 201, English 222	
Area II. Mathematics and the Natural Sciences	20

One of the following course sequences:

Mathematics 101, 103

Mathematics 101, 195

Mathematics 101, 220

Mathematics 101, 290

One of the following course sequences:

Biology 101, 102

Chemistry 121, 122

Chemistry 128, 129

Physics 211, 212

Physics 217, 218

Physical Science 121, 122

Area III. Social Sciences20

History 114, 115

Political Science 113

One course selected from:

Psychology 101, Sociology 201

Anthropology 201, Economics 201

Area IV. Courses Appropriate to the Major Field30

Biology

*Science and/or Mathematics electives (100-200 level) or

Foreign Language 101, 10210

Chemistry 128, 12910

Botany 203 5

Zoology 204 5

**Chemistry:*

Physics 213 5

Chemistry 128, 129, 28115

Mathematics 104, 20110

Criminal Justice:

History 251 or 252 5

C.J. 100, 103, 201, 21020

Psychology 101 or Sociology 201 5

Dental Hygiene Education:

Associate degree required for admission to upper
two-year curriculum.

Early Elementary Education:

Psychology 101 5

Education 203 5

Education 205 5

Drama/Speech 228 5

Five quarters hours to be selected from:

Art 200, 271, 272, 273; Music 200;

Philosophy 200, 201; English 222 5

Five quarter hours to be selected from:

Sociology 201 or Anthropology 201 5

*Students seeking secondary certification will substitute Education 203 and Special Education 205.

*In addition, a foreign language sequence is recommended.

English:

Foreign Language 101, 102, 103, 201	20
Electives from Art 200, 271, 272, 273; Music 200; Philosophy 200, 201; English 222	10

History:

Foreign Language 101, 102	10
History 251, 252	10
Electives to be chosen from: Anthropology 201, Economics 201, Geography 111, Mathematics 220, Psychology 101, Sociology 201, Social Work 250	10

Mathematical Sciences:

Mathematics 104, 201, 202, 203	20
Computer Science 110	5
History 251 or 252	5

Medical Technology:

Physics 211, 212, 213	15
Chemistry 128, 129, 281	15

Middle School Education:

Psychology 101	5
Education 203	5
Education 205	5
Sociology 201 or Anthropology 201	5
Five quarter hours to be selected from: Art 200, 271, 272, 273; Music 200; Philosophy 200, 201; English 222	5
Five quarter hours to be selected from teaching content field	5

**Music:*

Music Theory 111, 112, 113, 221, 212, 213	18
Applied Music 140, 240	8
Music 250 or Music 254	4

Music Education:

Psychology 101	5
Education 203	5
Elective from: Art 200, 271, 272; Music 200	5
Fifteen quarter hours to be selected from: Music Theory 111, 112, 113, 211, 212, 213; Applied Music 140, 240	15

Nursing:

Biology 210	5
Sociology 201	5
BSN 200, 201, 404	15
History 251 or 252	5

Physical Education:

Drama/Speech 228	5
Education 203	5
P.E. 117, 207, 211, 228, 229	15
Psychology 101	5

Political Science:

Foreign Language 101, 102, 103 or Computer Science 110, 231, 241	15
History 251 or 252	5
Electives to be chosen from: Anthropology 201, Criminal Justice 100, Economics 201, Geography 111, History 251 or 252, Psychology 101, Sociology 201, Social Work 250	10

**Psychology:*

Mathematics 220	5
Biology 101-102	10
Anthropology 201 or Sociology 201	5
Psychology 102	5
History 251 or 252	5

Social Work:

Foreign Language 101, 102, 103 or Philosophy 201, Anthropology 201 and Social Science elective (100-200 level)	15
Sociology 201	5
History 252	5
Social Work 250	5

Area V. Physical Education Requirements (All Programs) 6

P.E. 103 or 108 and P.E. 117

Three of the following courses:

P.E. 100, 101, 102, 104, 105, 106, 107, 109,
200, 201, 202, 203, 204, 205, 206, 207, 208, 209

TOTAL . . . 96

The student should complete all Core Curriculum requirements during his/her freshman and sophomore years.

Regents' Examination

The University System of Georgia requires that all students successfully complete tests of writing skills and reading comprehension as a requirement for graduation. An individual holding a baccalaureate or higher degree from a regionally accredited institution of higher education will not be required to complete the Regents' Examination for a second degree. An individual who successfully completed the Regents' Examination

*In addition, a foreign language sequence is recommended.

tion as part of an associate degree program will not be required to repeat the Examination as part of a subsequent baccalaureate degree program.

Students *may* take the Examination upon completion of the required composition sequence in their degree programs (English 111, 112 for associate degrees; English 111, 112, 211 for baccalaureate degrees). *Students must take the Examination in the quarter after their completion of 45 hours (exclusive of Physical Education activity courses) in their degree program.* They will be notified to do so on their grade reports for the quarter in which the 45th hour has been completed. A student who neglects to take the Examination when first notified to do so will be prohibited from pre-registering at the College for a subsequent quarter. They may, however, register at the regularly scheduled registration. *Students who have not passed the Examination upon their completion of 75 hours (exclusive of Physical Education activity courses) in their degree program will be required to enroll in Regents' Examination remediation in each subsequent quarter until they have successfully completed the Examination.* *Students who have not passed the Examination upon their completion of 105 hours (exclusive of Physical Education activity courses) in their degree program will, in each subsequent quarter, be denied enrollment in credit courses and will be allowed to take only Regents' Examination remediation until such time as they pass the Examination.* *Successful completion of the Regents' Examination is prerequisite to classification as a junior-year student.*

Transfer Students will be subject to the above requirements. Transfer students who are classified as juniors or seniors must take the Regents' Examination during their first quarter of attendance. If they do not pass the Examination, their subsequent enrollment in credit courses will be denied and they will be limited to Regents' Examination remediation until such time as they pass the Examination.

The complete text of the policy for the Regents' Testing Program is printed as an appendix to this *Bulletin*.

Exit Examinations

Each student who receives a degree from Armstrong State College at the Associate or Baccalaureate degree level is required to take an Exit Examination in his/her major area. Each Exit Examination is designed to assess the mastery of concepts, principles, and knowledge expected of the student at the conclusion of major study. Please see the appropriate department head for further information concerning these examinations.

Physical Education Program

All students who are enrolled in baccalaureate degree programs for ten quarter hours or more on the day schedule are required to complete six hours of physical education which must include P.E. 117 (Basic Health) and P.E. 103 (Elementary Swimming) or P.E. 108 (Intermediate Swimming). Three additional courses are to be elected from any physical education

activity courses with the last two numbers being 01 to 09. Any student who holds a valid senior life saving certificate and/or a valid water safety instructor certificate and/or passes the Armstrong swimming test may be exempted from P.E. 103 or P.E. 108. Physical education is not required of anyone who is beyond the age of 25 at the time of initial matriculation or of anyone enrolled primarily in evening classes. A student who has completed at least six months of military service is required to take only four hours of physical education, which may be chosen from all scheduled offerings.

A student graduating with an Associate degree must complete three credit hours of Physical Education.

The Department requires all students to make up excused absences; unexcused absences lower the final grade.

Placement Tests in English and Mathematics

The College reserves the right to place entering students in appropriate English and Mathematics courses. Diagnostic tests are administered for this purpose. Each student who has not otherwise met the prerequisite requirement for Mathematics 101 (see departmental course listing) must take the Mathematics Diagnostic Test before he may register for Mathematics 101. Each student who has not otherwise met the prerequisite for English 111, 110 or 191 must take the English Placement Test before he may register for these English courses. Scheduled dates for the administration of these tests are listed in the "Academic Calendar" section of this *Bulletin*.

State Requirements in History and Government

By state law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Government and in Georgia History and Government. A student at Armstrong State College may demonstrate such proficiency by successfully completing examinations for which credit will be awarded. See "Academic Regulations" section of the *Bulletin*, or request further information from the Head of the Department of History and Political Science.

Requirements for the Bachelor of Arts and the Bachelor of Science Degrees

Requirements for each major program leading to the degree of Bachelor of Arts with a major in English, History, Music, Political Science, Psychology, Social Work, or Economics, or to the degree of Bachelor of Science with a major in Biology, Chemistry, Criminal Justice, or Mathematical Sciences are described in the appropriate departmental listing. For the B.A. and B.S. degrees, a minimum of 185 quarter hours, exclusive of the required physical education courses, is required for graduation.

Each student in one of these major programs must complete the 96-hour core curriculum requirement as listed above.

The student will not be allowed to take senior division courses in his major field unless he has a minimum grade of "C" in all prerequisite courses in that field. No major program in a department will require more than 60 quarter hours at all levels in the major field; however, the department may recommend up to 70 quarter hours.

For its major program, a department will require from 15 to 30 quarter hours of specific courses or approved elective courses in related fields and may require language courses reaching the degree of proficiency specified by the department. Total requirements in the major and related fields, may not exceed 85 quarter hours.

Each B.A. or B.S. degree program will include a minimum of 15 quarter hours of free electives.

Requirements for Associate Degrees

Each associate degree program at Armstrong State College will include as part of its curriculum the following requirements: (1) English 111, 112; (2) History 251 or 252; (3) Political Science 113; (4) one course to be chosen from Areas I, II, or III of the Baccalaureate Core; (5) three credit hours of Physical Education. The student in an associate degree program is required to complete successfully the Regents' Examination and to take an Exit Examination in his/her area of concentration.

Additional Requirements for Degree Programs

For specific course requirements and for curriculum outlines of specific degree programs, see departmental listings of course offerings and degree programs.



VIII. Department of Special Studies

Armstrong State College recognizes the need for a program of compensatory education for students whose academic deficiencies might prevent their completing collegiate work successfully. The Department of Special Studies has been organized to provide that program. Institutional credit *only* is awarded for all courses numbered below 100 which are offered by the department. Institutional credit does not apply to the requirements for any degree program or graduation from the college.

Courses in the Department of Special Studies receive students from the following four sources:

1. A conditionally admitted student must enroll in those courses appropriate to the removal of his specific areas of weakness as indicated by the results of the testing programs through which the student received conditional admittance status. To insure realistic class scheduling, the conditionally admitted student can enroll only in courses approved by the head of the department until such time as the student achieves regular admission status.
2. The Department of Languages and Literature and the Department of Mathematics and Computer Science may place any student, on the basis of the student's performance on the English Placement Test or the Mathematics Diagnostic Test, in appropriate Special Studies courses.
3. Any student may be placed in any Special Studies courses on the basis of an unsatisfactory performance on the Regents Examination.
4. Any student may voluntarily enroll in any Special Studies course.

NOTICE: Veterans and others entitled to Veterans Administration Educational Benefits may be certified only for a total of 45 credit hours in Special Studies courses. Only 15 hours may be attempted in each of the basic skills of English, Mathematics, and Reading.

Faculty of the Department of Special Studies

Professor John R. Hansen, Head; Associate Professor Brown; Assistant Professors Cottrell, Dandy, Harris, Padgett, and Summerville; Counselor Jarriel.

Course Offerings

ENGLISH 98—Basic Composition. (5-0-5). Offered each quarter.

This is the study and practice of sentence and paragraph writing. Students learn to write clear, correct sentences and to connect those sentences in order to produce developed, unified, and coherent paragraphs.

ENGLISH 99—Intermediate Composition. (5-0-5). Offered each quarter.

This is the study and practice of writing the short theme. Students learn organizational patterns and standard American usage.

MATHEMATICS 98—Arithmetic and Elementary Algebra. (5-0-5). Offered each quarter.

Review of arithmetic. Introduction to negative integers and elementary algebra, including simple polynomials and equations.

MATHEMATICS 99—Intermediate Algebra. (5-0-5). Offered each quarter. Prerequisite: A student must have attained one of the following prior to enrolling — (1) a score of at least 10 on the Mathematics Diagnostic Test (dates for this test appear in the Academic Calendar in this *Bulletin*) or (2) a grade of P in Mathematics 98.

Rational expressions; factoring of polynomials; linear and quadratic equations; graphs of linear functions; rational exponents; radicals.

READING 98—Reading Skills. (5-0-5). Offered each quarter. Not open to students having credit for Reading 99.

This course is appropriate for conditionally admitted students and other students experiencing serious difficulty in reading. Word attack skills, comprehensive skills, and vocabulary building are stressed.

READING 99—Developing Reading Maturity. (5-0-5). Offered on demand.

This course is appropriate for students preparing for the Regents Examination and for students experiencing moderate difficulty in reading. Comprehension skills, vocabulary enrichment, test-taking strategies, and reading fluency are stressed.

STUDY TECHNIQUES 99—Effective Study Techniques. (1-2-2). Offered on demand.

This course is designed to develop systematic and efficient study habits for academic success. Special emphasis will be placed on time management, listening skills, memory techniques, reading flexibility, note-taking systems, textbook mastery, and test-taking strategies.

IX. School of Arts and Sciences

Robert A. Burnett, Dean

The School of Arts and Sciences provides, by virtue of its professional staff, scholarly resources and physical facilities, the opportunity for qualified students to obtain the best possible education attainable within the structure of a liberal baccalaureate program or through curricula leading to a specialized degree. The goals of the school are:

To acquaint all students, by means of a core curriculum in the liberal arts and sciences, with the diversity of the intellectual and cultural achievements of man;

To assist them in developing the skills necessary to think and to express themselves clearly and creatively;

To enable them to understand and assume their responsibilities as free men and women in a democratic society;

To provide a liberal baccalaureate education, supported by sound instruction, scholarly resources, and a commitment of free inquiry.

The School of Arts and Sciences includes the Departments of Biology, Chemistry and Physics, Fine Arts, History and Political Science, Languages and Literature, Mathematics and Computer Science, and Psychology. The following degree programs are offered by those departments:

Bachelor of Arts with a Major in English

Bachelor of Arts with a Major in History

Bachelor of Arts with a Major in Music

Bachelor of Arts with a Major in Political Science

Bachelor of Arts with a Major in Psychology

Bachelor of Science with a Major in Biology

Bachelor of Science with a Major in Chemistry

Bachelor of Science with a Major in the Mathematical Sciences (choice of concentrations in Mathematics, Applied Mathematics, Computer Science, Mathematics Education)

Associate in Arts (General)

The departments in the School of Arts and Sciences cooperate with departments in the Schools of Education and Human Services in the offering of professionally oriented programs leading to baccalaureate or specialized degrees:

Bachelor of Music Education

Bachelor of Science in Art Education

Bachelor of Science in Medical Technology

Teacher Certification programs in English, History, Music, Political Science, Psychology (Behavioral Science), Biology, Chemistry, Mathematics. NOTE: ADDITIONAL PROGRAM REQUIREMENTS SUPPLEMENTARY TO THOSE LISTED IN THIS SECTION ARE OUTLINED IN THE SCHOOL OF EDUCATION SECTION OF THIS BULLETIN.

A student may combine with a major field of study one of the following minor concentrations offered by departments within the School of Arts and Sciences:

American Civilization	Mental Health
Art	Museum/Preservation Studies
Botany	Music
Chemistry	Philosophy
Computer Science	Physical Science
Drama/Speech	Physics
English	Political Science
Foreign Language	Psychology
History	Russian Studies
Journalism	Zoology
Linguistics	

Program for the Degree Associate in Arts* (General)

For the two-year degree of Associate in Arts, a student must complete at least 45 quarter hours of course-work in this program at Armstrong State College. The program is designed to provide a substantial liberal education as a base for upper-division specialization.

	<i>Quarter Hours</i>
1. English 111, 112, 211, and one course selected from:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. History 114 or 115 and History 251 or <u>252</u>	10
3. One of the following two-course sequences:	10
Biology 101, 102	
Chemistry 128, 129	
Chemistry 121, 122	
Physics 211, 212	
Physics 217, 218	
Physical Science 121, 122	
4. Mathematics 101 and 103 or 195 or 220 or 290	10
5. Political Science 113 and one of the following courses:	10
Anthropology 201, Economics 201,	
Psychology 101, Sociology 201	
6. Physical Education	3
P.E. 103 or 108 and two activity courses	
7. Concentration and/or Electives	30
The concentration may be specified by a department	
from appropriate courses. If not, the student may	
select courses which are open to him.**	
8. Regents and Exit Examinations	
TOTAL	93

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

**If a student plans to continue work at a later date in a baccalaureate degree curriculum, he should select courses that will meet the listed requirements for that degree program.

DEPARTMENT OF BIOLOGY

Professor Leslie B. Davenport, Jr., Head; Professor Thorne; Associate Professors Guillou and Pingel; Assistant Professors Beumer and Brower; Instructor Restivo; Teaching Associate Dixon.

The Major in Biology

The major in biology consists of Biology 101, 102, Botany 203, Zoology 204, and at least 40 quarter hours credit in biology courses (botany, zoology, etc.) numbered 300 or above. The majority of the courses in the major numbered 300 or above must be taken in the Biology Department at Armstrong State College.

In addition, biology majors must complete elementary statistics and the course sequence in organic chemistry (15 quarter hours). The course in general college physics (15 quarter hours) is strongly recommended and should be considered essential for those who expect to continue the study of biology beyond the B.S. degree.

Each student acquiring a major in biology must include in his program the following courses: Biology 370; Biology 480; Botany 410 or Zoology 410; one course in botany numbered 300 or above, other than Botany 410; and one course in zoology numbered 300 or above, other than Zoology 410. If credit for any of the first three required units is transferred to Armstrong from another college, the department may require that it be validated by examination.

To be admitted to courses in biology above the freshman level (those numbered 200 or above), the student must have completed the prerequisites for each with at least a grade of "C" for each prerequisite. To be eligible for a B.S. degree in biology, the student must have a grade of at least "C" for all upper division courses (those numbered 300 or above) in biology.

Beginning students who have successfully completed strong courses in biology in high school are advised to take examinations for advanced placement or for credit for Biology 101 and/or Biology 102. Arrangements to take these examinations may be made with the head of the department.

In order to receive Core Curriculum credits for the biology laboratory science sequence by taking biology in the Savannah State-Armstrong exchange program, a student must take the ENTIRE sequence of ten quarter hours either at Armstrong State College or at Savannah State College.

Students majoring in biology may concurrently complete all pre-medical and/or pre-dental requirements and all requirements for secondary teaching certification in science (biology). The Biology Department co-ordinates the program in Medical Technology.

Students majoring in biology and/or pursuing a pre-professional program should work closely with an assigned departmental advisor in planning their undergraduate programs.

Program for the Degree Bachelor of Science with a Major in Biology

	<i>Quarter Hours</i>
A. General Requirements*	75
1. English 111, 112, 211 and one course selected from:	20
English 222; Art 200, 271, 272, 273;	
Music 200; Philosophy 200, 201	
2. History 114, 115	10
3. History 251 or 252	5
4. Political Science 113	5
5. One of the following:	5
Economics 201; Psychology 101;	
Sociology 201	
6. Mathematics 101 (or 103 or 104 if placement examination allows) and 220	10
7. Biology 101, 102; Botany 203**, Zoology 204**	20
B. Courses in Major Field	40
Biology 370, 480	10
Botany 410 or Zoology 410	5
Additional Courses (junior-senior level)	25
C. Related Fields	25
Chemistry 128, 129	10
Chemistry 341, 342, 343	15
D. Electives	45
(Selected from Humanities, Social Sciences, Natural Sciences, Education. Physics 211, 212, 213 and a foreign language sequence are strongly recommended.)	
E. Physical Education	6
Physical Education 117 and 103 or 108	3
Physical Education Activities Courses	3
F. Regents and Exit Examinations	
TOTAL	191

The student completing the major in Biology may concurrently complete secondary teaching certification requirements by completing the following program of studies.

Program for Secondary School Teachers of Science with a Major in Biology

	<i>Quarter Hours</i>
A. General Requirments*	75
1. English 111, 112, 211 and one course selected from:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. History 114, 115	10
3. History 251 or 252	5
4. Psychology 101 and one of the following courses:	10
Economics 101	
Political Science 113	
Sociology 201	
5. Mathematics 101 (or 103 or 104, if placement examination allows); 220	10

*Certain courses may be exempted by examination with credit awarded. See "Admissions" section of this *Bulletin*.

**Should be completed before beginning upper division courses.

	<i>Quarter Hours</i>
6. The following courses:	20
Biology 101, 102	
Botany 203 and Zoology 204	
B. Courses in Major Field	40
Students must complete the requirements for a major	
including Biology 370, 480; Botany 410 or Zoology 410	
C. Courses in Other Sciences	40
Chemistry 128, 129, 341, 342, 343	25
Physics 211 (Mathematics 103 is prerequisite); 212, 213	15
D. Physical Education	6
Physical Education 103, 117	3
Three courses selected from:	3
P.E. 101, 102, 104, 105, 106, 107, 200,	
201, 202, 203, 205, 206, 207, 208, 209	
E. Professional Sequence	40
Education 203, 330, 444, 446, 447, 448	30
Psychology 301; Special Education 205	10
F. Regents and Exit Examinations	
TOTAL	201

The Department also supervises the degree program in Medical Technology, requirements of which follow.

Program for Degree Bachelor of Science in Medical Technology*

	<i>Quarter Hours</i>
1. English 111, 112, 211, and one course selected from:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. History 251 or 252	5
3. Political Science 113	5
4. History 114, 115	10
5. Mathematics 101 (or 103 or 104, if placement	
examination allows); 220	10
6. Psychology 101 or Sociology 201	5
7. Physics 211 (Mathematics 103 is prerequisite); 212; 213	15
8. Chemistry 128-129, 281, 341, 342, 343, and 380	35
9. Biology 101-102, Zoology 204, 356,	
Biology 351, 370, and Zoology 372	35
10. Physical Education	6
11. Internship in Clinical Medical Technology	45
12 Regents and Exit Examinations	
TOTAL	191

Minor Concentrations

The following minor concentrations are available in the Department of Biology. For completion of each of the minors, the student must earn grades of "C" or better in each course offered for the minor.

The minor in *Botany* requires a total of 25 hours: Biology 101, 102; Botany 203 and two courses selected from Botany 305, 323, 425.

*Certain courses may be exempted with credit awarded. See "Admission" section of this *Bulletin*.

The minor in *Zoology* requires a total of 25 hours: Biology 101, 102; Zoology 204 and two courses selected from Zoology 325, 355, 356, 372, 425, and Entomology 301.

Course Offerings

Biology

BIOLOGY 101—PRINCIPLES OF BIOLOGY. (4-3-5)

Offered each quarter. Prerequisite: none.

Structure and function of cells; biological chemistry; structure, function, and development of flowering plants.

BIOLOGY 102—PRINCIPLES OF BIOLOGY. (4-3-5)

Offered each quarter. Prerequisite: Biology 101.

Structure, function, and development of vertebrate animals; genetics; ecology; evolution.

BIOLOGY/PHYSICS 205—RADIATION BIOLOGY. (4-3-5)

Prerequisite: Physics 213 or 218 or 202, and a two-quarter sequence in anatomy and physiology or general biology.

Sources, propagation, and interactions of ionizing radiation and its biological effect. (Credit may not be applied toward a major in biology or in chemistry.)

BIOLOGY 210—MICRO-ORGANISMS AND DISEASE. (4-3-5)

Winter. Prerequisites: Chemistry 201 or 122 and Zoology 209.

An introduction to the study of microorganisms with primary emphasis on bacteria. The morphology, life history, and importance to public health of representative bacteria, fungi, viruses, and protozoa are considered. Credit for this course may not be applied toward a major in biology.

BIOLOGY 310—MAN AND THE ENVIRONMENT. (5-0-5)

Prerequisite: Completion of 75 quarter hours credit in college courses.

Consideration of the interactions between humans and the support systems of the earth which are essential to their existence. Credit for this course may not be applied toward a major in biology.

BIOLOGY 351—BACTERIOLOGY. (3-4-5)

Fall. Prerequisites: 10 hours of biological science, Chemistry 128-129.

A survey of micro-organisms with special emphasis on bacteria and their relationships to man.

BIOLOGY 352—MEDICAL MICROBIOLOGY. (3-4-5)

Prerequisite: Biology 351 and permission of the instructor.

A comprehensive study of the disease-causing microbes in terms of their diagnosis, pathology, and epidemiology.

BIOLOGY 354—MORPHOLOGIC HAEMATOLOGY. (3-4-5)

Prerequisites: Biology 102 and Chemistry 129.

Cytology of normal and pathologic human blood and bone marrow with emphasis upon antigenic determination in blood banking.

BIOLOGY 358—HISTOLOGICAL TECHNIQUE. (0-10-5)

Winter. Prerequisites: Biology 101, 102.

Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials for study.

BIOLOGY 370—GENETICS. (3-4-5)

Winter. Prerequisites: Biology 101, 102; Chemistry 128, 129; Biology 351 and junior status recommended.

An introduction to the principles of biological inheritance.

BIOLOGY 410—CELLULAR PHYSIOLOGY. (3-4-5)

Offered on demand. Prerequisites: At least third quarter junior status; two courses in biology numbered 300 or above; and organic chemistry.

A consideration of the functional relationships between microscopic anatomy and cell chemistry, emphasizing permeability, metabolism, and growth.

BIOLOGY 440—CYTOLOGY. (2-6-5)

Summer. Prerequisite: Two courses in biology numbered 300 or above.

The study of cells, their cytoplasm and nuclei, growth, differentiation, and reproduction.

BIOLOGY 450—EVOLUTION. (5-0-5)

Winter. Prerequisite: Major in biology (at least 15 qtr. hrs. credit in biology courses numbered 300 or above).

Modern concepts in organic evolution.

BIOLOGY 480—GENERAL ECOLOGY. (3-4-5)

Spring. Prerequisites: Two courses in biology numbered 300 or above.

A survey of the principles of ecology and their application to the welfare of humans, co-ordinated with a study of populations and communities in the field.

BIOLOGY 490—PROBLEMS IN BIOLOGY. (1-5 hours credit)

Offered on demand. Prerequisites: At least 20 hours credit in biology courses numbered 300 or above; a B average in biology courses and in overall work; consent of department head; agreement of a staff member to supervise work.

Problems to be assigned and work directed by a member of the department. Supervised research including literature search, field and/or laboratory investigation, and presentation of an acceptable, written report of results. Credit will depend upon the work to be done. Both credit and proposed work must be approved in advance, in writing, by the faculty member to supervise the work and by the department head.

Botany

BOTANY 203—SURVEY OF THE PLANT KINGDOM. (3-4-5)

Spring, Fall. Prerequisites: Biology 101 and 102.

Morphology and phylogeny of the divisions of the plant kingdom, with emphasis upon the evolution of the land flora.

**BOTANY 305—IDENTIFICATION OF
FLOWERING PLANTS.**

(0-10-5).

Spring. Prerequisite or corequisite: Botany 203.

Studies in the identification of plants with emphasis on local flora.

BOTANY 323—PLANT ANATOMY.

(3-4-5)

Fall. Prerequisite: Botany 203.

The origin and development of the organs and tissue systems of vascular plants, and a comparative study of the structure of roots, stems, leaves, flowers, and fruits.

BOTANY 410—PLANT PHYSIOLOGY.

(3-4-5)

Spring. Prerequisites: Botany 203 and Organic Chemistry.

A survey of physiologic processes occurring in plants and the conditions which affect these processes.

BOTANY 425—PLANT MORPHOLOGY.

(3-4-5)

Offered on demand. Prerequisite: Botany 323.

Comparative studies of vascular plants with emphasis on form, structure, reproduction, and evolutionary relationships.

Entomology

ENTOMOLOGY 301—INTRODUCTORY ENTOMOLOGY.

(3-4-5)

Spring. Prerequisite: Zoology 204.

An introduction to the study of insects — their structure, identification, and biology.

Zoology

ZOOLOGY 204—SURVEY OF THE ANIMAL KINGDOM.

(3-4-5)

Winter, Summer. Prerequisites: Biology 101 and 102.

An evolutionary survey of the major animal phyla.

**ZOOLOGY 208—HUMAN ANATOMY AND
PHYSIOLOGY I.**

(3-4-5)

A basic course considering the gross anatomy, histology, and physiology of the human organ systems. Intended primarily for majors in nursing and dental hygiene; credit for this course may not be applied toward a major in biology.

**ZOOLOGY 209—HUMAN ANATOMY AND
PHYSIOLOGY II.**

(3-4-5)

Prerequisites: Zoology 208 and Chemistry 201 or 122.

A continuation of the basic course considering the anatomy and physiology of the human. Credit may not be applied toward a major in biology.

**ZOOLOGY 210—FUNCTIONAL HUMAN ANATOMY
FOR MEDICAL RADIOGRAPHER.**

(2-2-3)

Prerequisite: Zoology 208.

Detailed skeletal anatomy; gross systemic anatomy and histology, with functional highlights of circulatory, respiratory, digestive, excretory, and reproductive systems.

ZOOLOGY 211—CARDIOPULMONARY
ANATOMY AND PHYSIOLOGY.

(2-2-3)

Prerequisite: Zoology 209.

The cardiopulmonary system is studied with special emphasis on functional anatomy. The physiology of the heartbeat, the control of circulation, respiration, and blood pressure, and partial movement across membranes will also be studied.

ZOOLOGY 325—ADVANCED INVERTEBRATE ZOOLOGY. (3-4-5)

Spring. Prerequisite: Zoology 204.

A study of the structure, body functions, interrelations, and natural history of the major invertebrate groups.

ZOOLOGY 355—EMBRYOLOGY.

(3-4-5)

Fall. Prerequisites: Zoology 204 or equivalent in another biological science.

An elementary course in embryology in which the chick is used to illustrate the basic principles of developmental anatomy.

ZOOLOGY 356—COMPARATIVE ANATOMY
OF THE VERTEBRATES.

(3-6-6)

Winter. Prerequisite: Zoology 204.

A study of the anatomy and evolution of the organ systems of the vertebrates.

ZOOLOGY 357—ANIMAL HISTOLOGY.

(3-4-5)

Offered on demand. Prerequisite: Zoology 204.

A study of the tissues and their organization into organs and organ systems in animals.

ZOOLOGY 372—PARASITOLOGY.

(3-4-5)

Fall. Prerequisite: Zoology 204.

A comparative study of the internal and external parasites of man and other animals.

ZOOLOGY 410—GENERAL VERTEBRATE PHYSIOLOGY. (3-4-5)

Fall. Prerequisites: Zoology 204 and Organic Chemistry.

An introduction to the general physiologic processes of the vertebrates.

ZOOLOGY 425—MARINE INVERTEBRATE ZOOLOGY. (2-6-5)

Summer. Prerequisite: Zoology 325, or permission of instructor and department head.

Studies in the identification and ecologic distribution of marine invertebrates as exemplified by collection from the southeastern coastal region.

ZOOLOGY 429—ENDOCRINOLOGY.

(3-4-5)

Offered on demand. Prerequisites: Zoology 410 and one other course in biology numbered 300 or above.

Physiology of the endocrine glands, their control of metabolism and reproductive cycles.

ZOOLOGY 435—COMPARATIVE PHYSIOLOGY.

(3-4-5)

Offered on demand. Prerequisites: Zoology 204 and Organic Chemistry.

Studies in various groups of animals of the functions of organ systems involved in the maintenance of homeostasis under varying conditions within normal habitats and of *in vitro* reactions of tissues and systems under laboratory conditions.

Marine Science Center

The following courses are offered at the Marine Science Center on Skidaway Island. Five quarter hours of credit from these courses may be applied within the major in biology. All credits from these courses may be applied as electives toward the B.S. degree in biology. These courses at the Marine Science Center are co-operatively sponsored by Armstrong State College, Georgia Institute of Technology, Georgia State University, Georgia Southern College, and the University of Georgia.

BIOLOGY 430—ESTUARINE ECOLOGY.

(6-6-5)

Summer (five weeks). Prerequisites: Chemistry 128, 129; Zoology 204; two courses in biology numbered 300 or above; or permission of instructor. Math 104 recommended.

The evolution and development of estuaries, substrates, physical processes, communities, ecosystem functions, ecosystem dynamics and analysis. The study area will include the estuarine complex of the Carolinian province as exemplified along the coast of Georgia.

ZOOLOGY 405—ICHTHYOLOGY.

(6-6-5)

Summer (five weeks). Prerequisites: Zoology 204 and one course in zoology numbered 300 or above, or permission of instructor.

The taxonomy, distribution, ecology, and evolution of fishes with special reference to the fishes of eastern North America.

DEPARTMENT OF CHEMISTRY AND PHYSICS

Professor Henry E. Harris, Head; Professors Brewer, Robbins, and Stratton; Associate Professor Whiten; Assistant Professor Pestel; Instructor Jaynes; Temporary Instructor Goette.

The department offers one degree program, the Bachelor of Science with a major in chemistry, designed to give depth in the fields of chemistry, yet flexible enough to accommodate a range of career goals. Students majoring in chemistry may concurrently complete all pre-medical and/or pre-dental requirements and all requirements for secondary teaching certification in science (chemistry). The department also participates in the Dual Degree Program of Armstrong State College and the Georgia Institute of Technology under which students may earn simultaneously the B.S. degree in chemistry from Armstrong and the Bachelor's degree from Georgia Tech in a related field, such as chemical engineering. Students interested in learning more about the chemistry degree program or any

course offered by the department should contact the department head. Any student who plans to pursue a degree in chemistry should contact the department head as early as possible for advisement and academic planning.

Program for the Degree Bachelor of Science with a Major in Chemistry

	<i>Quarter Hours</i>
A. General Requirements*	61
1. English 111, 112, 211	15
2. One of the following:	5
Art 200, 271, 272, 273; English 222; Music 200; Philosophy 200, 201	
3. Mathematics 101, 103	10
4. History 114, 115 and either History 251 or 252	15
5. Political Science 113	5
6. One of the following courses:	5
Psychology 101, Anthropology 201, Sociology 201, Economics 201	
7. Physical Education 103 or 108, 117, and three activities courses	6
B. Major Field Requirements	60
1. Chemistry 128, 129, 281, 341, 342, 343, 380, 491, 492, 493	47
2. Approved electives from:	13
Chemistry 421, 441, 448, 461, 462, 480, 497, 498, 499	
C. Related Field Requirements	30
1. Physics 211, 212, 213 or Physics 217, 218, 219	15
2. Mathematics 104	5
3. Approved electives	10
D. Approved General Electives	40
Electives chosen to meet specific educational goals	
E. Regents and Exit Examinations	
TOTAL	191

Program for Secondary School Teachers of Science with a Major in Chemistry

	<i>Quarter Hours</i>
A. General Requirements*	61
1. English 111, 112, 211	15
2. One of the following:	5
Art 200, 271, 272, 273; English 222; Music 200, Philosophy 200, 201	
3. Mathematics 101, 103	10
4. History 114, 115 and either 251 or 252	15
5. Political Science 113	5
6. Psychology 101	5
7. Physical Education 103 or 108, 117, and three activities courses	6
B. Major Field Requirements	60
1. Chemistry 128, 129, 281, 380, 341, 342, 343, 491, 492, 493	47
2. Approved 300-400 level chemistry electives	13

*Certain courses may be exempted by examination with credit awarded. See "Admissions" section of the *Bulletin*.

	<i>Quarter Hours</i>
C. Related Field Requirements	30
1. Biology 101, 102	10
2. Physics 211, 212, 213 or Physics 217, 218, 219	15
3. Mathematics 104	5
D. Professional Sequence	40
1. Education 203, 330, 444, 446, 447, 448	30
2. Psychology 301; Special Education 205	10
E. Regents and Exit Examinations	
TOTAL	<u>191</u>

Minor Concentrations

The department offers the following minor concentrations. Students majoring in chemistry may not seek a minor in chemistry or physical science.

The minor in *Chemistry* requires twenty credit hours with grades of "C" or better in upper division chemistry courses chosen from the following: Chemistry 341, 342, 343, 380, 421, 431, 461, 491, 492, 493.

The minor in *Physics* requires twenty-three credit hours from courses designated as physics with a grade of "C" or better in each course.

The minor in *Physical Science* requires ten credit hours of a laboratory sequence in chemistry, physical science, or physics plus fifteen credit hours chosen from: Astronomy 301, Chemistry 301, Geology 301, Oceanography 301, Meteorology 301. A grade of "C" or better is required in each course.

Course Offerings

Chemistry

CHEMISTRY 121, 122—GENERAL

CHEMISTRY.

(4-3-5 for each course)

Prerequisite or corequisite: Mathematics 101. (Credit in these courses may not be applied to a major in chemistry.)

These courses include a study of the fundamental laws and theories of inorganic chemistry, a survey of organic chemistry, and an introduction to biochemistry.

CHEMISTRY 128-129—GENERAL CHEMISTRY

(4-3-5)

Prerequisite: College Algebra or concurrently. Offered each quarter.

These courses are the first two of the series 128, 129, 281 required to complete an academic year of General Chemistry. A study of the fundamental principles and laws of chemistry with a quantitative approach to the subject. These courses are designed for the science, pre-medical and engineering student. The laboratory work includes an understanding of fundamental techniques.

CHEMISTRY 201—ESSENTIALS OF GENERAL CHEMISTRY.

(5-0-5)

Offered each quarter.

An introduction to inorganic, organic, and biochemistry with emphasis on applications in human physiology and clinical chemistry. Experimental principles will be illustrated with classroom demonstrations.

CHEMISTRY 202—PHYSICAL PRINCIPLES.

(4-3-5)

Prerequisite: Chemistry 201.

This course provides a study of the physical principles of gas behavior, acid-base calculations, weak acid ionization, buffer solutions, pH measurements, blood gas measurements, and other subjects of special interest to persons in allied health sciences.

CHEMISTRY 281—QUALITATIVE ANALYSIS.

(3-6-5)

Prerequisite: Chemistry 128. Fall and Spring.

This course is the third of the series 128, 129, 281 required to complete an academic year of General Chemistry. Study of ionic equilibria and separation methods. Homogeneous solutions involving dissociation, hydrolysis and buffer action, and heterogeneous systems showing the influence of pH and complexation of solubility are illustrated. Various chemical and chromatographic techniques are used as a basis for qualitative analysis.

CHEMISTRY 301—THE CHEMISTRY OF LIFE.

(5-0-5)

Prerequisite: Ten quarter hours of laboratory science completed. Offered on demand.

An introductory course covering selected areas of applied biochemistry. This course is not recommended for chemistry, biology, or premedical students.

CHEMISTRY 341-342—ORGANIC

CHEMISTRY.

(4-3-5 for each course)

Prerequisite: Chemistry 129. Fall, Winter.

These courses include the study of aliphatics, aromatic hydrocarbons and their derivatives, polyfunctional compounds, and polynuclear hydrocarbons. Organic reactions are emphasized in terms of modern theory.

CHEMISTRY 343—ORGANIC CHEMISTRY.

(4-3-5)

Prerequisite: Chemistry 342. Spring.

A continuation of the organic chemistry sequence 341, 342. This course completes the fundamental study of organic chemistry with a consideration of carbohydrates, amino acids, and heterocyclics with their related compounds.

CHEMISTRY 350—CHEMICAL LITERATURE.

(2-0-2)

Prerequisite: Chemistry 342. Offered on demand.

A study of the use of the chemical library and the important journals, references, and information sources.

CHEMISTRY 380—QUANTITATIVE INSTRUMENTAL ANALYSIS.

(2-9-5)

Prerequisite: Chemistry 281. Winter, Summer.

A study of the principles of gravimetric, volumetric, spectrophotometric, and electrometric methods of analysis. The laboratory will provide practice in techniques and application of these principles.

CHEMISTRY 397—SCIENTIFIC GLASS-BLOWING.

(0-4-2)

Prerequisite: Permission of the Instructor. Offered on demand.

Properties of glass for scientific apparatus; introduction of glass working equipment; planning of sequential joining operations; demonstration of major techniques for joining and working glass; supervision of individual students in preparing test-pieces.

CHEMISTRY 421—ADVANCED INORGANIC CHEMISTRY. (3-3-4)

Prerequisite: Chemistry 380. Offered on demand.

Selected topics in inorganic chemistry tending to increase students' understanding of mechanisms of chemical reactions. Emphasizes the periodicity of elements.

CHEMISTRY 431-432—SEMINAR.

(3-0-3 for each course)

Prerequisite: Chemistry 343. Offered on demand.

Selected topics for group discussion.

CHEMISTRY 441—ADVANCED ORGANIC CHEMISTRY. (3-0-3)

Prerequisite: Chemistry 343. Fall.

A further study of important organic reactions emphasizing theories of reaction mechanisms of organic chemistry.

CHEMISTRY 448—ORGANIC QUALITATIVE ANALYSIS. (2-9-5)

Prerequisite: Chemistry 343. Offered on demand.

Systematic approach to the identification of organic compounds.

CHEMISTRY 451—HISTORY OF CHEMISTRY.

(5-0-5)

Spring, odd years. Prerequisites: Junior standing and Chemistry 129.

The development of science surveyed from antiquity to the present. Emphasis is placed on the development of ideas, men who made significant contributions, evolution of chemical theories, and the modern social implications of science.

CHEMISTRY 461—BIOCHEMISTRY.

(4-3-5)

Prerequisite: Chemistry 343. Offered on demand.

A study of the chemical nature of cellular constituents and cellular metabolism. Subject topics include carbohydrates, proteins, lipids, enzymes, vitamins and coenzymes, anaerobic carbohydrate metabolism, lipid metabolism, the tricarboxylic acid cycle, oxidative phosphorylation, and photosynthesis.

CHEMISTRY 462—BIOCHEMISTRY.

(4-3-5)

Prerequisite: Chemistry 461. Offered on demand.

A study of the metabolism of ammonia and nitrogen-containing compounds, the biosynthesis of nucleic acids and proteins, metabolic regulation, and selected topics.

CHEMISTRY 463—CLINICAL CHEMISTRY.

(4-3-5)

Prerequisite: Chemistry 343. Offered on demand.

A study of the principles of chemistry applied in the clinical laboratory. Topics subjects to include instrumentation and microtechniques.

CHEMISTRY 480—ADVANCED INSTRUMENTAL ANALYSIS.

(2-9-5)

Prerequisites: Chemistry 380, 342. Offered on demand.

Includes study of principles involved in the operation and the laboratory use of special instruments for analysis.

CHEMISTRY 491-492-493—PHYSICAL CHEMISTRY.

(3-3-4 for each course)

Prerequisites: Chemistry 380, Physics 213, Mathematics 104. Winter, Spring.

Fundamental principles of physical chemistry including the study of solids, liquids, gases, thermochemistry, thermodynamics and solutions. These courses will also cover a study of chemical equilibria, chemical kinetics, electrochemistry, colloids, quantum mechanics and nuclear chemistry.

CHEMISTRY 497-498-499—INDEPENDENT STUDY.

(1-5 hours credit each course)

Prerequisite: Consent of the Head of the Department. Offered each quarter.

Designed to permit qualified students to pursue supervised individual research or study. Emphasis will be placed on the literature search, laboratory experimentation, and presentation of an acceptable written report. Both the credit and proposed work must be approved in writing by the faculty member who will supervise the work and by the department head. Open to transient students only with the permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

CHEMISTRY 496—INTERNSHIP.

(Credit variable to 12 hours)

Offered by special arrangement. Prerequisite: Chemistry 343, 380 and permission of the Department Head.

The student will pursue a meaningful project in industry, government or other institutional setting. The project will be determined, supervised, and evaluated by the sponsor of the activity and the student's faculty adviser. Application and arrangement must be made through the department by mid-quarter preceding the quarter of internship. Open to transient students only with permission of the Dean of the Faculty at Armstrong and the appropriate official of the school from which the student comes.

Marine Science Center

The following course is offered at the Marine Science Center on Skidaway Island. The course is cooperatively sponsored by Armstrong State College, Georgia Institute of Technology, Georgia State University, Georgia Southern College and the University of Georgia.

Prerequisites: Chemistry 128, 129; Biology 101, 102. Offered Summer Quarter.

The aspects of physical, chemical, and biological sciences which are marine oriented as applied to specific problems in the ocean and its environs. Collection and interpretation of field data stressed, utilizing vessels and equipment of the Skidaway Institute of Oceanography.

Physical Science

PHYSICAL SCIENCE 121—PHYSICAL ENVIRONMENT. (4-3-5)

Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and concepts of physics and astronomy. This course is designed for non-science majors interested in a descriptive survey. The laboratory study is designed to supplement the study of theory.

PHYSICAL SCIENCE 122—PHYSICAL ENVIRONMENT. (4-3-5)

Prerequisite: admission requirements. Offered each quarter.

An elementary study of the fundamental laws and theories of chemistry and geology. This is a descriptive course which includes the classification of elements, basic chemical reactions, and atomic structure designed for the non-science major. The laboratory study includes experiences which augment class discussion.

ASTRONOMY 301—INTRODUCTION TO ASTRONOMY. (5-0-5)

Prerequisite: Ten quarter hours of laboratory science completed. Offered on demand.

A study of the planetary system, stars, stellar structure, and cosmology.

GEOLOGY 301—PRINCIPLES OF GEOLOGY. (5-0-5)

Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

An introduction of physical and historical geology. A study of the origin, evolution, and structure of the earth's crust, and geologic history.

METEROLOGY 301—PRINCIPLES OF METEROLOGY. (5-0-5)

Prerequisites: Ten quarter hours of laboratory science completed. Offered on demand.

An introduction to the description of the state of the atmosphere and to the physical laws that describe atmospheric phenomena.

OCEANOGRAPHY 301—PRINCIPLES OF OCEANOGRAPHY. (5-0-5)

Prerequisite: Ten quarter hours of a laboratory science completed. Offered on demand.

A study of the basic principles of oceanography. Topic subjects to include the distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and applications of oceanographic research.

Physics

PHYSICS 201, 202—RADIATION PHYSICS. (3-2-4 for each course)

Prerequisite or corequisite: Mathematics 101.

These courses deal with the basic concepts involved in production, propagation, and detection of electromagnetic radiation. Particular emphasis will be given to mechanisms describing the interaction of X-Rays with matter, radiation protection, photographic detection, dosimetry, and circuitry.

PHYSICS/BIOLOGY 205—RADIATION BIOLOGY. (4-3-5)

Prerequisite: Physics 213 or 218 or 202, and two quarter sequence in anatomy and physiology or general biology.

Sources, propagation, and interactions of ionizing radiation and its biological effects. (Credit may not be applied toward a major in biology or in chemistry.)

PHYSICS 211—MECHANICS. (4-2-5)

Prerequisite: Mathematics 103. Fall.

The first part of the sequence Physics 211-212-213 in general physics. Basic classical physics, including mechanics, sound, and heat. Designed for students with aptitude in mathematics below the level of calculus. Selected experiments to demonstrate applications.

PHYSICS 212—ELECTRICITY, MAGNETISM,
BASIC LIGHT. (4-2-5)

Prerequisites: Mathematics 103 and Physics 211. Winter.

The second part of the sequence Physics 211-212-213. Basic electricity, magnetism, and geometrical optics.

PHYSICS 213—LIGHT PHENOMENA, MODERN PHYSICS. (4-2-5)

Prerequisites: Mathematics 103 and Physics 212. Spring.

The last part of the sequence Physics 211-212-213. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 217—MECHANICS. (5-3-6)

Prerequisite: Mathematics 104, or concurrently. Fall.

The first part of the sequence Physics 217-218-219 in general physics. Basic classical physics, including mechanics, sound and heat. Designed especially for engineering students and recommended for science majors. Selected experiments to demonstrate applications.

PHYSICS 218—ELECTRICITY, MAGNETISM,
BASIC LIGHT. (5-3-6)

Prerequisites: Mathematics 104 and Physics 217. Winter.

The second part of the sequence Physics 217-218-219. Basic electricity, magnetism, and geometrical optics.

PHYSICS 219—LIGHT PHENOMENA, MODERN PHYSICS. (5-3-6)

Prerequisites: Mathematics 104 and Physics 218. Spring.

The last part of the sequence Physics 217-218-219. Continues the study of light from the viewpoint of physical optics, and concludes with the study of atomic and nuclear physics. Laboratory work includes two selected experiments of advanced scope.

PHYSICS 380—INTRODUCTORY QUANTUM MECHANICS.

(5-0-5)

Prerequisites: Physics 213 or Physics 219 and Mathematics 201. Offered on demand.

An introduction to quantum mechanical principles with applications in atomic and molecular structure.

PHYSICS 412—ELECTRONIC MEASUREMENTS FOR SCIENTISTS.

(3-6-5)

Prerequisite: Physics 212 or Physics 218.

Circuit theory and digital/analog electronics dealing with measurements, control concepts, and instruments that are used by experimental scientists.

PHYSICS 417—MECHANICS.

(5-0-5)

Prerequisites: Physics 217 or 211 and Mathematics 201. Physics 218 or 212 and Mathematics 341 are recommended. Offered on demand.

Statics, kinematics, and dynamics of particles and of systems of particles are developed using Newtonian principles.

DEPARTMENT OF FINE ARTS

Professor Harry Persse, Head; Associate Professor Brandon; Assistant Professors Ambrose, Nadalich, and Radebaugh.

Degree Programs in Music

The Department of Fine Arts offers the Bachelor of Arts degree with a major in music and the Bachelor of Music Education degree.

Admission Requirements

Since the college-level study of music presupposes a considerable background in music, as well as an aptitude for it, an audition is required for admission to the music degree program. The audition will be used to determine the student's level of proficiency in his instrument and his potential for success in the program.

**Programs for the Degrees
Bachelor of Arts with a Major in Music
Bachelor of Music Education**

	<i>Quarter Hours</i>
A. General Requirements*	71
1. English 111, 112, 211	15
2. Music 210	5
3. History 114, 115, and 251 or 252	15
4. Mathematics 101, 290	10
5. Political Science 113	5
6. One of the following courses:	5
Psychology 101 (required in the B.M.Ed. program), Economics 201, Sociology 201, Anthropology 201	
7. Laboratory science sequence	10
8. Physical Education 103 or 108 and 117 and three activity courses	6
B. Courses in the Major Field	54
Music 111, 112, 113, 140, (6 credits); 211, 212, 213, 240, (6 credits); 251 or 254, (6 credits); 312, 340, (6 credits); 371, 372, 373	
C. Additional Requirements for <i>Bachelor of Arts Degree only</i>	66
1. Music 281, 412, 440	12
2. Approved Music electives	9
3. Two courses selected from:	10
Art 271, 272, 273	
4. Foreign Language 101, 102, 103	15
5. Electives	20
6. Recital	
D. Additional Requirements for the <i>Bachelor of Music Education Degree only</i>	69-70
1. Music 230, 232, 233, 235, 281, 350, 351, 361, 400	19
2. One of the following options:	10-11
a. (Choral emphasis) Music 228, 353, 480, and one course from 414, 415, or 416	
b. (Instrumental emphasis) Music 227, 231, 234, 352, 481, and one course from 417, 418, or 419	
c. (Keyboard emphasis) Music 227, 352, or 353, 420, 421, 480 or 481	
3. Education 203, 330, 446, 447, 448	25
4. Psychology 301 and Special Education 205	10
5. Drama/Speech 228	5
E. Regents and Exit Examinations	
TOTAL, BACHELOR OF ARTS DEGREE	191
TOTAL, BACHELOR OF MUSIC EDUCATION DEGREE	194-195

Minor Concentrations

The department offers the following minor concentrations:

The minor in *Art* requires a total of 25 hours: Art 111, 112; one course selected from Art 271, 272, 273; ten hours selected from Art 201, 202, 213, 330, 331.

The minor in *Music* requires a total of 29 hours: Applied Music (6 hours in one area); Music Theory 111, 112, 113 (9 hours); Music Ensemble 251,

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

252 or 254 (6 hours); Music History and Literature (8 hours); Recital Attendance.

Additional Requirements for Music Majors

1. Meet a recital attendance requirement as directed by the faculty.
2. Enroll for applied music each quarter until the applied music requirement has been met (except when student teaching).
3. Participate in a large ensemble of the college each quarter of attendance (except when student teaching). Voice principals are required to enroll for chorus and band instrument principals for concert band. Students with a choice of ensemble must remain in the chosen ensemble for the duration of the academic year. Upon recommendation of the applied music instructor in the principal instrument, a keyboard student may substitute accompanying for participation in a large ensemble. However, a minimum of six quarters of large ensemble is required.
4. Participate in student recitals as directed by the applied music instructor. A student must perform in a quarterly student recital at least once a year.
5. Demonstrate minimum keyboard proficiency (the ability to play scales, cadences, hymns and simple piano pieces). Students deficient in keyboard skills upon entering a music degree program will enroll in Music 226 (I, II, III), Class Piano, until the requirement is met. A grade of C or better in three quarters of Class Piano shall constitute completion of the piano proficiency requirement. The student must complete this requirement by the end of the sophomore year to continue in a music degree program.
6. Present a recital as required in the specific degree program. For the B.A. degree with a concentration in performance, a half recital in the junior year and a full recital in the senior year are required. With a concentration in theory-composition the presentation of a program of original compositions or a comparable practical exercise is required. For the B.M.E. degree, a half recital in the senior year is required. In the B.M.E. program, upon recommendation of the applied music instructor, a jury examination may be substituted for the recital.

The applied music level for entering or transfer students will be determined by audition. In the *Bachelor of Arts* degree program a minimum of eighteen hours of applied music will be in the principal instrument, with at least six credits at the 440 level. In the *Bachelor of Music Education* degree program, a minimum of twelve hours of applied music will be in the principal instrument with at least six credits at the 340 level. The quarterly applied music grade will be determined in part by a jury examination before a committee of the music faculty.

Applied Music Fees

Applied music courses consist of one twenty-five minute private lesson per week (Music 130) or a combination of private and class lessons (Music

140, 240, 340, 440). A special fee of \$31.00 for Music 130 or \$62.00 for the Music 140 series is charged quarterly to students not admitted to a music degree program, to music majors enrolled for less than ten hours, and to music majors enrolled for more than one applied course. The applied music fee is refundable only if the student does not meet his first scheduled lesson.

Course Offerings

Applied Music

MUSIC 130—APPLIED MUSIC. (one credit)

Prerequisite: Sufficient music background, determined by audition or Music 100.

One twenty-five minute lesson per week in brass, organ, percussion, piano, strings, voice, or woodwinds. Applicable to a music degree only for a secondary applied credit. May be repeated for credit.

MUSIC 140—APPLIED MUSIC. (two credits)

Prerequisite: Open to music majors and a limited number of non-majors by audition only.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUSIC 240—APPLIED MUSIC. (two credits)

Prerequisite: Competency at the Music 140 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUSIC 340—APPLIED MUSIC. (two credits)

Prerequisite: Competency at the Music 240 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

MUSIC 440—APPLIED MUSIC. (two credits)

Prerequisite: Competency at the Music 340 level as determined by jury examination.

Private and class instruction in brass, organ, percussion, piano, strings, voice or woodwinds. May be repeated for credit.

Music

MUSIC 100—RUDIMENTS OF MUSIC. (5-0-5)

Offered on demand.

An introduction to the principles of music reading with applications to the keyboard, guitar and simple wind instruments. May not be used for credit toward a degree in music.

MUSIC 111—ELEMENTARY THEORY I. (3-2-3)
Fall.

An introduction to the basic theoretical principles of music including sightsinging, eartraining and keyboard harmony.

MUSIC 112—ELEMENTARY THEORY II. (3-2-3)
Winter.

A continuation of Music III with emphasis on part-writing and diatonic material.

MUSIC 113—ELEMENTARY THEORY III. (3-2-3)
Spring.

A continuation of Music 112 introducing seventh chords and diatonic modulation.

MUSIC 200—INTRODUCTION TO MUSIC LITERATURE. (5-0-5)
Fall, Winter, Spring.

A course designed to help the student understand music by means of analysis of style, forms, and media of musical expression.

MUSIC 210—HONORS INTRODUCTION TO MUSIC LITERATURE. (5-0-5)

Winter and Summer. Prerequisite: Music major status or permission of the instructor.

A course designed for the student with a practical musical background or previous listening experience. Emphasis will be on the development of perception of style and form through listening. May be used as a substitute for Music 200 in the Core Curriculum.

MUSIC 211—INTERMEDIATE THEORY I. (3-2-3)
Fall. Prerequisite: Music 113.

A continuation of Music 113 with emphasis on chromatic harmony.

MUSIC 212—INTERMEDIATE THEORY II. (3-2-3)
Winter.

A continuation of Music 211.

MUSIC 213—INTERMEDIATE THEORY III. (3-2-3)
Spring.

A continuation of Music 212 with emphasis on twentieth century techniques.

MUSIC 226—CLASS PIANO I, II, III. (0-2-1)

Offered on demand. Prerequisite: Music major status or permission of instructor.

A study of keyboard techniques with emphasis on the skills needed to fulfill the piano proficiency requirement.

MUSIC 227—CLASS VOICE. (0-2-1)
Offered on demand. Prerequisite: Music major status or permission of instructor.

A study of voice production techniques with practical application to standard song literature. Not open to students whose principal instrument is voice.

MUSIC 228—DICTION IN SINGING. (2-0-2)

Winter.

A study of phonetics and pronunciation of Italian, German, French, and Latin as applied to singing.

MUSIC 230—BRASS METHODS. (0-2-1)

Prerequisite: Music 113.

An introduction to the principles of brass instrument performance and pedagogy.

MUSIC 231—BRASS METHODS. (0-2-1)

Prerequisite: Music 230.

Continuation of Music 230.

MUSIC 232—PERCUSSION METHODS. (0-2-1)

Prerequisite: Music 113.

An introduction to the principles of percussion instrument performance and pedagogy.

MUSIC 233—WOODWIND METHODS. (0-2-1)

Prerequisite: Music 113.

An introduction to the principles of woodwind instrument performance and pedagogy.

MUSIC 234—WOODWIND METHODS. (0-2-1)

Prerequisite: Music 233.

Continuation of Music 233.

MUSIC 235—STRING METHODS. (0-2-1)

Prerequisite: Music 113.

An introduction to the principles of string instrument performance and pedagogy.

MUSIC 251—SYMPHONIC WIND ENSEMBLE. (0-4-2)

Open to qualified students.

MUSIC 252—JAZZ ENSEMBLE. (0-2-1)

Open to qualified students.

MUSIC 254—CHORUS. (0-3-1)

Open to qualified students.

MUSIC 255—CHAMBER ENSEMBLE. (0-2-1)

On demand.

Open to all qualified students in the performance media of brass, woodwind, string, keyboard, voice, and percussion instruments.

MUSIC 256—KEYBOARD ACCOMPANYING. (1-0-1)

On demand.

MUSIC 257—OPERA WORKSHOP. (2-0-1)

MUSIC 281—CONDUCTING. (3-0-3)

Alternate years. Prerequisite: Music 113.

An introduction to the techniques of conducting and interpretation.

MUSIC 312—FORM AND ANALYSIS.

(3-0-3)

Prerequisite: Music 213.

The study of the principles of form in music and techniques of harmonic analysis.

MUSIC 320—MUSIC FOR THE
ELEMENTARY TEACHER.

(5-0-5)

Winter, Summer.

An introduction to music skills and materials for the elementary classroom teacher. Not open to music majors.

MUSIC 350—MUSIC IN THE LOWER SCHOOL.

(3-0-3)

Fall.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the lower school.

MUSIC 351—MUSIC IN THE MIDDLE
AND UPPER SCHOOL.

(3-0-3)

Spring.

A course for music majors emphasizing analysis and evaluation of techniques and materials for teaching music in the junior and senior high schools.

MUSIC 352—BAND METHODS.

(2-0-2)

Offered on demand.

A course dealing with the organization, maintenance and development of school instrumental ensembles.

MUSIC 353—CHORAL METHODS.

(3-0-3)

Offered on demand. Prerequisite: Music 227.

A course dealing with the organization and development of school choral organizations, problems of choral singing, and fundamentals of choral conducting.

MUSIC 361—ORCHESTRATION AND ARRANGING.

(3-0-3)

Offered on demand. Prerequisite: Music 213.

An introduction to the techniques of arranging and scoring for vocal and instrumental ensembles.

MUSIC 371—MUSIC HISTORY.

(3-0-3)

Prerequisite: One year of music theory or permission of the instructor.

The history of music in Western Civilization from its origins through the Renaissance.

MUSIC 372—MUSIC HISTORY.

(3-0-3)

Prerequisite: One year of music theory or permission of the instructor.

The history of music in Western Civilization in the Baroque and Classic periods.

MUSIC 373—MUSIC HISTORY.

(3-0-3)

Prerequisite: Music 213 or permission of the instructor.

The history of music in Western Civilization in the Romantic Period and in the 20th century.

- MUSIC 400—SEMINAR IN MUSIC EDUCATION. (3-0-3)
Offered on demand. Prerequisites: Music 350, 351.
 A survey course for music education majors of current trends in instruction and research techniques.
- MUSIC 411—COMPOSITION. (1 to 5 hours)
Offered on demand. Prerequisites: Music 213, 312.
- MUSIC 412—COUNTERPOINT. (3-0-3)
Offered on demand. Prerequisite: Music 213.
 A study of contrapuntal practices of 18th century music.
- MUSIC 414—SONG LITERATURE I. (2-0-2)
Fall.
 A survey of German song literature.
- MUSIC 415—SONG LITERATURE II. (2-0-2)
Winter.
 A survey of French song literature.
- MUSIC 416—SONG LITERATURE III. (2-0-2)
Spring.
 A survey of the song literature of English, Italian and Russian music and others.
- MUSIC 417—REPERTOIRE AND PEDAGOGICAL TECHNIQUES OF BRASS INSTRUMENTS. (2-0-2)
Prerequisite: Junior status or permission of the instructor.
 A survey of the literature and teaching techniques of the brass instruments.
- MUSIC 418—REPERTOIRE AND PEDAGOGICAL TECHNIQUES OF WOODWIND INSTRUMENTS. (2-0-2)
Prerequisite: Junior status or permission of the instructor.
 A survey of the literature and teaching techniques of the woodwind instruments.
- MUSIC 419—REPERTOIRE AND PEDAGOGICAL TECHNIQUES OF PERCUSSION INSTRUMENTS. (2-0-2)
Prerequisite: Junior status or permission of the instructor.
 A survey of the literature and teaching techniques of the percussion instruments.
- MUSIC 420-421—PIANO LITERATURE. (2-0-2 each course)
 A survey of literature for the piano.
- MUSIC 422—OPERA LITERATURE. (5-0-5)
Offered on demand. Prerequisites: Music 200 or 210 or permission of the instructor.
 A study of operatic masterpieces from the origins of the form to the present.

MUSIC 480—ADVANCED CHORAL CONDUCTING. (3-0-3)
Offered on demand. Prerequisites: Music 281, 312.
Advanced techniques for the choral conductor.

MUSIC 481—ADVANCED INSTRUMENTAL CONDUCTING. (3-0-3)
Offered on demand. Prerequisites: Music 281, 312, 361.
Advanced techniques for the instrumental conductor.

MUSIC 490—DIRECTED INDIVIDUAL STUDY. (1 to 5 credits)
Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Art

ART 111—BASIC DESIGN I. (0-10-5)
Fall.

An introduction to two-dimensional design through problems in drawing, composition, and color.

ART 112—BASIC DESIGN II. (0-10-5)
Spring.

The fundamentals of three-dimensional design introduced through sculptural projects in various media.

ART 200—INTRODUCTION TO THE VISUAL ARTS. (5-0-5)
Fall, Spring.

A study of artistic theories, styles, media and techniques and their application in masterworks of art from all ages. Not recommended for art majors.

ART 201—PAINTING I. (0-6-3)
Prerequisite: Art 111 or permission of instructor.

An introduction to painting in oils from various observed subjects and from sketches.

ART 202—PAINTING II. (0-6-3)
Winter. Prerequisite: Art 111 or permission of instructor.

A continuation of Art 201.

ART 213—FIGURE DRAWING. (0-6-3)
Spring. Prerequisite: Art 111 or permission of instructor.

An introduction to drawing the human figure. Includes basic anatomy for the artist, the study of master drawings of the human figure, and drawing directly from live models.

ART 271—HISTORY OF ART. (5-0-5)
Fall.

A survey of the visual arts in Western Civilization from archaic Greece to the Late Middle Ages.

ART 272—HISTORY OF ART. (5-0-5)
Winter.

A continuation of Art 271. Renaissance through Rococo art.

ART 273—HISTORY OF ART.

(5-0-5)

Spring.

A continuation of Art 272. Nineteenth and twentieth century art.

ART 301—PAINTING III.

(0-10-5)

Offered on demand. Prerequisites: Art 111 and 201 or 202.

Advanced techniques directed toward figurative images. Pictorial composition. Includes study of selected master painters regarding their technical means and aesthetic accomplishments.

ART 302—PAINTING IV.

(0-10-5)

Offered on demand. Prerequisite: Art 301.

A continuation of Art 301. Includes non-figurative and abstract images.

ART 320—ART FOR THE ELEMENTARY TEACHER.

(4-2-5)

Fall, Summer.

A study, with studio experience, of materials and methods for teaching art at the elementary school level.

ART 330—CERAMICS I.

(0-10-5)

Fall, Winter. Prerequisite: Permission of instructor.

Fundamentals of hand-built stoneware pottery including pinch, coil and slab construction, glaze-making, kiln loading and firing. Additional experiences may include primitive firing or Raku.

ART 331—CERAMICS II.

(0-10-5)

Winter, or on demand. Prerequisite: Art 330.

Fundamentals of wheel-thrown pottery plus a more intensive exploration of glazing and firing including Raku.

ART 332—SPECIAL PROBLEMS IN CERAMICS.

(0-10-5)

Offered on demand. Prerequisites: Art 330 and permission of the instructor.

The content of this class is flexible and may include in-depth experiences in any of the following: Raku firing, primitive firing, kiln construction, building of pottery equipment (wheels, tools, etc.), glaze calculation, etc. May be repeated for credit.

ART 350—SERIGRAPHY.

(0-10-5)

Offered on demand. Prerequisite: Art 111 or 320.

An introduction to printmaking through the process of silk screen printing. The entire process will be covered including the construction of screen printing equipment, preparation of special printing inks and various stencils (glue, tusche, paper, photoemulsion, etc.) and matting of the finished prints.

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE

Professor Roger K. Warlick, Head; Professors Beecher, Burnett, Clark, Coyle, Duncan, Gross, Lanier, McCarthy, and Newman; Associate

Professors Arens and Patterson; Assistant Professors Boney, Comaskey, Rhee, and Stone; Instructors Banner and Robertson.

All students are reminded that any who receive degrees from the University System of Georgia are required to demonstrate proficiency in U.S. and Georgia History and Constitutions. This requirement may be met by the successful completion of Political Science 113 and History 251 or 252 or may be exempted by examination with credit awarded. See "Academic Regulations" section.

A major in Political Science or History is most useful to those who plan to enter teaching, library or archival work, publishing, journalism, historic preservation, museology, historic site curation, or such professional fields as international business, law or theology. Either major is also a desirable foundation for opportunities in or related to government (e.g., civil and foreign service, A.I.D., U.S.I.A., ACTION, teaching abroad, etc.). Beyond these fields there is an enormous variety of organizations (local, national, and international) whose philanthropic, sectarian, or economic interests require people with the skills and sensitivity developed by a major in History or Political Science.

Major in History

Students majoring in History should satisfy the college core requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. To complete the major requires, beyond Western Civilization (History 114-115) and U.S. History (History 251-252), forty quarter hours from courses numbered 300 or above (with grades of "C" or better) including History 300. Students should register for History 300 in the Sophomore or early in the Junior year, or in the first possible quarter after making the decision to major in History. The major program must also include: (a) 25 quarter hours as approved by faculty advisor in related fields such as anthropology, history of art and music, economics, literature, political science, philosophy, psychology, sociology, or statistics; and (b) a fifteen quarter hour foreign language sequence, or proficiency in a language through the 103 level. Students who contemplate graduate work in history, however, are strongly advised to continue their linguistic study beyond this elementary level. The history faculty will consider substitutions only when compelling reasons argue against fulfilling the language requirement and only when the proposed substitute offers an additional research skill or a study in depth of a foreign culture. In selecting course work, a student may emphasize the history of one particular area (e.g., U.S., European, or Russian-Asian-African-Latin American), but must take at least 10 quarter hours of history outside the area of concentration. Opportunities for Independent Study work exist in all three concentration areas, but no more than 10 such hours may be counted among the forty (40) upper division history hours required for the major.

Students who hope to work in history-related fields upon graduation should consider doing additional work (beyond the forty required academic hours noted above) in the Internship Program.* Adding a minor in Mu-

*For prerequisites, see listing for HISTORY 395.

seum and Preservation studies will further qualify the student for an internship with the agencies listed below. Through this program unique opportunities are provided for qualified students to gain practical experience while making a realistic assessment of the possibilities offered by their field of interest. Cooperative arrangements with Historic Savannah Foundation, Georgia Historical Society, Savannah Landmark Project, Oatland Island Center, and with such museums and historical sites as Telfair Academy, Ft. Pulaski, Juliette Low Center, and Ft. King George, permit placement of students in positions relating to:

- (a) archival and manuscript curation,
- (b) historic site administration and interpretation,
- (c) museum studies, and
- (d) historic preservation.

The specific nature of the internship experience will then be recorded on the student's transcript so as to be of value in subsequent job applications.

Graduate courses (500 level) are open to qualified undergraduates with advisor approval and permission of instructor.

Program for the Degree Bachelor of Arts with a Major in History

	<i>Quarter Hours</i>
A. General Requirements*	91
1. English 111, 112, 211 and one of the following:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. Mathematics 101; Mathematics 103, 195, 220, or 290	10
3. Laboratory Science Sequence	10
4. History 114, 115, History 251, 252	20
5. Political Science 113 and one of the following:	10
Psychology 101, Anthropology 201,	
Sociology 201, Economics 201	
6. Foreign Language 101, 102, 103	15
7. Physical Education 103 or 108 and 117 and three	
activity courses	6
B. Courses in Major Field	40
1. History 300	5
2. History courses 300 level or above (with at least	
10 quarter hours outside area of concentration)	35
Concentration Areas:	
a) U.S. History:	
HIS. 351, 352, 365, 367, 370, 371, 374, 375, 376, 378, 379,	
400, 454, 455, 485-486, 496, 505, 514, 515, 516	
b) European History:	
HIS. 333, 336, 340, 341, 342, 343, 344, 345, 346, 347, 348,	
349, 350, 410, 483-484, 495, 536	
c) Russian-Asian-African-Latin American:	
HIS. 310, 312, 320, 321, 322, 329, 330, 428, 431, 481-482, 535	
C. Courses in Related Fields	25
To be chosen in fields such as anthropology, history of art	
and music, economics, literature, foreign languages, political	
science, sociology, psychology or statistics	
D. Electives	35
E. Regents and Exit Examinations	
TOTAL	191

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

Minor Concentrations

The minor concentration in *History* is both simple and practical. It is practical because the notation of a History minor on the transcript indicates to an employer that the applicant has some solid liberal arts background with its accompanying insight into the development and functioning of modern society and that the applicant has made an extra effort to refine research and writing skills so essential to dealing with that society. Whatever the major one chooses, a minor in History will strengthen the student's academic record. The minor is simple because of its requirements:

Twenty (20) hours of upper division History courses (300 level or higher) with grades of "C" or better. At least one course must be taken in each of the special areas noted above in the major program description.

The department offers a minor concentration in *Russian Studies*. The minor, available on an interdisciplinary basis, requires 20 hours at the intermediate and advanced levels.

Hours

1. Russian 201 (assumes completion of Russian 101, 102, and 103 as prerequisites); Political Science 349 (Comparative Government — Soviet Union)10
2. Choice of ten hours from:
History 329, 330, 428, 431, 481 (Independent Study in Russian History); Comparative Literature 400 (Topics in Russian Literature); Political Science 440 (Independent Study in Comparative Government — Soviet Union); History 53510

The department offers a minor concentration in *Museum and Preservation Studies*. This minor requires 25 hours of which History 300 must be a part. The remaining 20 hours will be taken in one of the following tracks:

Museum Studies: MPS 410, 411, 412, 495

Preservation Studies: MPS 412, 420, 421, 498

The student should plan to acquire basic knowledge in the major or related fields of Art History, Anthropology, American Studies, History, Public Administration, or other areas appropriate for utilization in Museum and Preservation Studies.

Major in Political Science

Students majoring in Political Science should satisfy the college core requirements for the Bachelor of Arts during their Freshman and Sophomore years. To complete a Political Science major requires, beyond American Government (113), forty quarter hours of upper division courses in the field (with grades of "C" or better). Further, the program must include at least one course from each of the following groups:

- I. American Political Institutions
- II. International Relations
- III. Political Theory
- IV. Comparative Government

The major's program must also include Mathematics 220, and at least 25 hours of course-work in such fields as Economics, History, Geography, Mathematics, Computer Science, Philosophy, Psychology, or Sociology.

The Political Science major allows the option of a foreign language (French or German preferred) through the 103 level or a sequence of computer science courses. Students who contemplate graduate work in Political Science, however, are strongly advised to take the foreign language option and to continue their linguistics study beyond the 103 level.

**Program for the Degree
Bachelor of Arts with a Major in Political Science**

	<i>Quarter Hours</i>
A. General Requirements*	86
1. English 111, 112, 211 and one of the following: Art 200, 271, 272, 273; Music 200; Philosophy 200, 201; English 222	20
2. Mathematis 101, 220	10
3. Laboratory Science Sequence	10
4. History 114, 115; History 251 or 252	15
5. Political Science 113 and one of the following: Psychology 101, Anthropology 201, Sociology 201, Economics 201	10
6. Foreign Language 101, 102, 103 or Computer Science 110, 225, and Computer Science 136, 146, or 231	15
7. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in Major Field	40
At least five quarter hours must be taken from each of the following areas:	
a) American Political Institutions: POS. 300, 304, 306, 307, 317, 318, 403, 418, 511	
b) International Affairs: POS. 320, 325, 326, 329	
c) Political Theory: POS. 331, 332, 333, 535	
d) Comparative Government: POS. 341, 346, 348, 349, 540, 546	
C. Courses in Related Fields	25
To be chosen in field such as: Computer Science, Economics, Geography, History, Mathematics, Philosophy, Psychology, or Sociology	
D. Electives	40
E. Regents and Exit Examinations	
TOTAL	191

Minor Concentration

The minor in *Political Science* noted on a student's transcript indicates to an employer that the applicant for a position has some solid liberal arts background with its accompanying insight into the development and functioning of modern society. It also indicates that the applicant has made extra effort to refine the research and writing skills essential in dealing

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

with that society. Whatever the major, a Political Science minor will strengthen the student's academic record. The minor requires:

Twenty (20) hours of upper division Political Science courses (300 level or higher) with grades of "C" or better. At least one course must be taken from each of the special areas noted in the description of the major in Political Science.

**Program for Secondary School Teachers
of Social Science
(History or Political Science)**

	<i>Quarter Hours</i>
A. General Requirements*	86
1. English 111, 112, 211 and one of the following:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. Foreign Language 101, 102, 103 (required in history concentration) or Computer Science 110, 225, and Computer Science 136 or 146 or 231 (allowed in the political science concentration)	15
3. History 114, 115; History 251 or 252	15
4. Political Science 113 and Psychology 101	10
5. Mathematics 101, 220	10
6. Laboratory Science Sequence	10
7. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in <i>History Concentration Only</i>	70
1. History 300	5
2. U.S. History	10-15
History 371 (required if History 252 was taken in the General Requirements) or History 378 (required if History 251 was taken in the General Requirements); five to ten hours to be selected from History 351, 352, 365, 367, 370, 374, 375, 376, 379, 400, 454, 455, 485-486, 496, 505, 515, 516	
3. Russian, Asian, African, Latin-American History	10
To be selected from History 310, 312, 320, 321, 322, 329, 330, 428, 431, 481-482, 535	
4. European History	10-15
To be selected from History 333, 336, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 410, 483-484, 495, 536	
5. Supporting Work	30
To be selected from <i>two</i> of the following fields with a minimum of ten quarter hours to be taken from each field:	
a) approved upper division electives in political science;	
b) Economics 201 and approved upper division electives;	
c) approved electives in behavioral sciences (sociology, anthropology, and psychology)	
Courses in <i>Political Science Concentration Only</i>	70
1. Approved courses from each of the following areas:	40
a) Political Institutions (300, 304, 306, 307, 317, 318, 403, 418, 511);	
b) International Relations (320, 325, 326, 329);	

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

c) Political Theory (331, 332, 333, 535);	
f) Comparative Government (341, 346, 348, 349, 540, 546).	
2. Supporting Work	30
To be selected from <i>two</i> of the following fields, with a minimum of ten quarter hours to be taken from each field:	
a) History 251 or 252 and approved upper division history electives;	
b) Economics 201 and an approved upper division elective;	
c) approved electives in behavioral sciences (sociology, anthropology, and psychology)	
C. Professional Sequence	40
1. Psychology 301, Special Education 205	10
2. Education 203, 330, 440, 446, 447, 448	30
D. Regents and Exit Examinations	
TOTAL, BOTH CONCENTRATIONS	196

Course Offerings

Economics

ECONOMICS 201—PRINCIPLES OF ECONOMICS (5-0-5)

Offered each quarter. Prerequisite: At minimum, eligibility to enter Mathematics 101.

Micro and macro economic principles.

History

HISTORY 114—CIVILIZATION I. (5-0-5)

Offered each quarter.

A survey of the main currents of political, social, religious, and intellectual activity from the time of the ancient Middle-Eastern civilizations to 1715. Throughout the course the major civilized traditions are considered and comparative methods used to facilitate interpretations of them.

HISTORY 115—CIVILIZATION II. (5-0-5)

Offered each quarter.

A continuation of History 114 to the present.

HISTORY 191—HONORS CIVILIZATION I. (5-0-5)

Fall. Prerequisites: B's or better in High School History and an SAT verbal score of at least 550.

This course replaces History 114 for selected students. While the subject matter will be the same as for History 114, the treatment of it will vary greatly. Likewise, instruction will go beyond the usual lecture method, allowing students to read widely and carry out their own research under the direction of the professor.

HISTORY 192—HONORS CIVILIZATION II. (5-0-5)

Winter. Prerequisite: History 191 or a grade of "A" in History 114.

A continuation of History 191, this course replaces History 115.

HISTORY 251—AMERICAN HISTORY TO 1865. (5-0-5)

Offered each quarter. Prerequisite: Eligibility for English 111.

A survey of the political, economic, and social history of the United States to the end of the Civil War.

HISTORY 252—AMERICAN HISTORY SINCE 1865. (5-0-5)

Offered each quarter. Prerequisite: Eligibility for English 111.

A survey of the political, economic, and social history of the United States from 1865 to the present.

HISTORY 300—HISTORICAL METHOD. (3-4-5)

Summer and Winter. Required of all History majors and of Museum and Preservation Studies minors.

An introduction to the nature and method of historical research, treating problems of investigation, organization, and writing through discussion and actual research experience in local history.

HISTORY 395—INTERNSHIP. (Credit variable, up to 5 hours)

Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes. Prerequisites: Senior standing, a minimum GPA of 3.0 in upper division History courses, and admission by approval of a departmental committee.

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty advisor. Application and credit arrangements must be made through the department in advance, normally by mid-quarter preceding the quarter of the internship.

This internship will be credited among electives, not as a part of the minimum 40 hours of traditional work required for the major.

United States History

HISTORY 351—HISTORY OF AMERICAN THOUGHT I. (5-0-5)

Fall, 1979.

An examination of the principal trends in American thought to 1865.

HISTORY 352—HISTORY OF AMERICAN THOUGHT II. (5-0-5)

Fall, 1980.

A continuation of History 351 to the present.

HISTORY 365—THE AMERICAN INDIAN. (5-0-5)

Spring, 1981.

A study of the history and cultures of the aborigines of the Americas.

HISTORY 367—AMERICAN URBAN HISTORY. (5-0-5)

Spring, 1980.

A study of the process of urbanization in America from colonial times to the present, with attention to the causes of urban expansion, institutional development, class structure and mobility, problems of the city, reform,

the image of the city in popular thought, and the impact of urbanization on national life.

HISTORY 370—HISTORY OF SAVANNAH,
1733 TO THE PRESENT.

(5-0-5)

Fall, 1979.

Begins with a history of local indians, emphasis on the founding of the colony at Savannah and on the colonial, Revolutionary, antebellum and Post-Civil War periods. Political, economic, social, religious and artistic trends are discussed and placed in context of Georgia and U.S. history.

The course will involve considerable research in primary sources available locally.

HISTORY 371—COLONIAL AND
REVOLUTIONARY AMERICA.

(5-0-5)

Spring, 1980.

A study of the discoveries of the New World and the settlement and growth of the English colonies of North America, the American triumph over France in the New World, the drastic change in British colonial policy and the rise of American opposition to it, the achievement of independence and the establishment of the United States under the Constitution.

HISTORY 374—WOMEN IN AMERICAN HISTORY.

(5-0-5)

Spring, 1981.

Women in American History: An examination of the changing political, social, and economic roles of the American woman from colonial times to the present. Emphasis will be given to the pre-Civil War feminist reform movements, woman's broader social and economic role after the war, her awakening awareness of the need for political power, and the mid-20th century revolution.

HISTORY 375—CIVIL WAR AND RECONSTRUCTION.

(5-0-5)

Winter.

The causes and significance of the American Civil War, with minor consideration of the military campaign; political, economic and social aspects of reconstruction.

HISTORY 376—FOUNDATIONS OF MODERN AMERICA. (5-0-5)

Winter, 1980.

An analysis of institutions and forces which molded American life in the late 19th and early 20th centuries, including politics, economics, society, and thought.

HISTORY 378—RECENT AMERICAN HISTORY.

(5-0-5)

Spring, 1980.

The course covers twentieth century American History, with emphasis on political, economic, and social issues.

HISTORY 379—CONTEMPORARY AMERICA.

(5-0-5)

Spring, 1981.

An examination of the society of the United States since World War II, with special emphasis given to the major social and cultural trends.

HISTORY 400—SEMINAR IN AMERICAN HISTORY. (5-0-5)

Permission of instructor required for admission. Offered on demand.

Designed to permit a group of advanced students to pursue intensive research on a special topic in the field to be defined by the instructor.

HISTORY/POLITICAL SCIENCE 416/516—UNITED STATES: CONSTITUTIONAL HISTORY. (5-0-5)

A study of the origins, content, and expansion of the Constitution of the United States.

HISTORY 454—STUDIES IN AMERICAN DIPLOMACY. (5-0-5)

Fall, 1979. Prerequisite: History 251 or equivalent.

Considers American objectives and policies in foreign affairs from colonial times to World War I.

HISTORY 455—STUDIES IN AMERICAN DIPLOMACY. (5-0-5)

Winter, 1980.

A continuation of History 454 to the present.

HISTORY 485-486—INDEPENDENT STUDY IN UNITED STATES HISTORY. (1-5 hours credit)

Available each quarter. Prerequisites: History 300 and at least 15 additional hours in upper division History courses (with a minimum GPA of 3.0), an overall GPA of 2.5 (after completion of 120 hours), and an approved application. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Designed to permit superior students to pursue individual research and reading in the chosen field under the supervision of a member of the History faculty. An application must be filed with the department, in advance, normally by mid-quarter preceding the independent study. A full description of the requirements and an application may be obtained in the departmental office.

HISTORY 496—AMERICAN HISTORIOGRAPHY. (5-0-5)

Spring, 1980.

A study of the writing of American history from colonial times to the present with emphasis on the historical philosophies and interpretations of the major schools of thought as well as individual historians. Recommended especially to students contemplating graduate work in History.

NOTE: 500-level courses in HISTORY are open to qualified undergraduates with advisor approval and permission of the instructor.

HISTORY 505—UNITED STATES: 1914 TO PRESENT. (5-0-5)

Summer, 1979.

Covering the most recent period in U.S. History, the course emphasizes political, economic, and social issues.

HISTORY 514—UNITED STATES:

DIPLOMATIC HISTORY I.

(5-0-5)

Fall, 1980, evening.

Considers American objectives and policies in foreign affairs from colonial times to World War I.

HISTORY 515—UNITED STATES:

DIPLOMATIC HISTORY II.

(5-0-5)

Winter, 1981, evening.

A continuation of History 514 to the present.

HISTORY 516—UNITED STATES

CONSTITUTIONAL HISTORY.

(5-0-5)

Summer, 1979.

A study of the origins, content, and expansion of the Constitution of the United States.

European History

HISTORY 333—MODERN GERMANY, 1789-1933.

(5-0-5)

Spring, 1981.

A study of German from the pluralism of the Holy Roman Empire through the German confederation to the unified Reich. Attention will be given to the political, social, and cultural developments in Austria, Prussia, and the "Third Germany."

HISTORY 336—MODERN EAST CENTRAL EUROPE.

(5-0-5)

Fall, 1980.

A survey of the history of the nations between Germany and Russia in the 19th and 20th centuries. Topics to be covered include the rise of nationalism, the gaining of independence, problems in establishing democracy, experience during World War II, and the establishment of communist control.

HISTORY 340—ENGLISH HISTORY, 1660-1815.

(5-0-5)

Spring, 1981.

An investigation of the Restoration monarchies, the constitutional revolution of 1688, the rise of ministerial responsibility in the early 18th century, the American colonial revolt, and England's relationship to the French Revolution.

HISTORY 341—ENGLISH HISTORY, 1485-1660.

(5-0-5)

Winter, 1981.

An analysis of political, constitutional, economic, and religious issues under the Tudors and early Stuarts, including the English Civil War.

HISTORY 342—ANCIENT HISTORY.

(5-0-5)

Winter, 1981.

A study of the early civilizations of the Middle East, the Greek city states, the Roman republic and empire, with special emphasis on the social, political and cultural contributions of these ancient peoples.

HISTORY 343—EARLY MIDDLE AGES, A.D. 333-C.1000. (5-0-5)

Fall, 1980.

The history of Europe from the fall of the Roman Empire through the Carolingian period with special emphasis on the institutional developments which led to the emergence of stable kingdoms out of the chaos of the barbarian invasions.

HISTORY 344—THE HIGH MIDDLE AGES,
C.1000 TO C.1300.

(5-0-5)

Winter, 1981.

The history of Europe from c.1000 to c.1300 with emphasis on the struggle between church and state, the Crusade movement, and the 12th century intellectual renaissance, all of which profoundly influenced the development of the various medieval kingdoms.

HISTORY 345—THE LATE MIDDLE AGES
AND RENAISSANCE.

(5-0-5)

Spring, 1981.

The history of Europe from c.1300 to 1517 with emphasis on the political, cultural, and intellectual developments which transformed medieval and Renaissance society.

HISTORY 346—REFORMATION ERA.

(5-0-5)

Fall, 1979.

A study of the controversial era emphasizing its major issues and movements, and their development through the Thirty Years War. Political, social, and economic, as well as religious facets of the upheaval will be considered.

HISTORY 347—THE FRENCH REVOLUTION
AND NAPOLEON.

(5-0-5)

Fall.

The ideas and events of the Old Regime and the Enlightenment in France, with emphasis on the impact of the French Revolution and the career of Napoleon upon the major European nations.

HISTORY 348—THE HISTORY OF EUROPE
FROM 1815 to 1900.

(5-0-5)

Winter, 1980.

A study of the most important social, political, and intellectual directions of European history from the Congress of Vienna to the end of the nineteenth century.

HISTORY 349—ABSOLUTISM AND
THE ENLIGHTENMENT.

(5-0-5)

Winter, 1981.

The primary focus of this course is the social and intellectual history of western Europe during the seventeenth and eighteenth centuries.

HISTORY 350—EUROPE IN THE
TWENTIETH CENTURY.

(5-0-5)

Spring.

A study of the major developments in Europe since 1900, with emphasis upon the origins and impact of the First and Second World Wars.

HISTORY 410—SEMINAR IN EUROPEAN HISTORY. (5-0-5)

Permission of instructor required for admission. Winter, 1980.

A detailed analysis of a specific problem in European history by examination of primary materials.

HISTORY 483-484—INDEPENDENT STUDY IN
EUROPEAN HISTORY. (1-5 hours credit)

Available each quarter.

See History 485-486 (United States History) for prerequisites and admission requirements.

HISTORY 495—EUROPEAN HISTORIOGRAPHY. (5-0-5)

Fall, 1980.

A study of the writers of history in the Western cultural tradition, with an emphasis on the historical philosophies, interpretations, and problems raised by the major modern European historians. Recommended especially to students contemplating graduate work in History.

NOTE: 500-level courses in HISTORY are open to qualified undergraduates with advisor approval and permission of the instructor.

HISTORY 536—EUROPEAN DIPLOMATIC HISTORY. (5-0-5)

Summer, 1980.

An intensive study of the origins and development of European diplomacy, the instruments of power, the interrelationship of diplomacy and military forces, the limits of national power, economic objectives, and the fundamentals of national objectives. Europe's special political and military role will be examined, as it applies to Great Britain, France, Germany, Russia, Austria, and Spain.

Russian, Asian, African, Latin-American History

HISTORY 310—LATIN AMERICA. (5-0-5)

Fall, 1979.

An introductory course in Latin-American history with consideration given to institutions of the areas as well as events and personalities.

HISTORY 312—HISTORY OF AFRICA. (5-0-5)

Spring, 1980.

A survey of African civilizations from ancient times, with major emphasis on development of the continent since 1800.

HISTORY 320—TRADITIONAL CHINA. (5-0-5)

Fall, 1980.

The history of East Asia civilization from ancient times through the eighteenth century, with emphasis on characteristic political, economic, and social developments.

HISTORY 321—MODERN CHINA (5-0-5)

Winter, 1981.

The history of China from the nineteenth century to the present, with emphasis on political, social, economic, and intellectual developments.

HISTORY 322—HISTORY OF JAPAN. (5-0-5)

Spring, 1980.

A survey of the history of Japan, with major emphasis placed upon the development of Japan since 1600.

HISTORY 329—MEDIEVAL RUSSIA. (5-0-5)

Fall, 1979.

A survey of the economic, social, and political development of the Russian state from its foundation in the 9th century through its modernization by Peter the Great in the early 18th century.

HISTORY 330—MODERN RUSSIA. (5-0-5)

Winter.

A survey of Russian history from Peter the Great to the present. The major political, cultural, economic, and social developments of Russia in both the Imperial and Soviet periods will be covered.

HISTORY 428—RUSSIA AND THE WEST. (5-0-5)

Spring, 1980.

A detailed study of the impact of Western influence on the Muscovite state in the sixteenth and seventeenth centuries.

HISTORY 431—THE RUSSIAN REVOLUTION. (5-0-5)

Spring, 1980. Prerequisite: Permission of the instructor.

An examination of the Russian revolutionary tradition, the causes for the collapse of Tsarism, the Bolshevik Revolution, and victory in the Russian Civil War.

HISTORY 481-482—INDEPENDENT STUDY IN RUSSIAN/
ASIAN/AFRICAN/LATIN-AMERICAN HISTORY. (1-5 hours credit)

Available each quarter.

See History 485-486 (United States History) for prerequisites and admission requirements.

NOTE: 500-level HISTORY courses are open to qualified undergraduates with advisor approval and permission of instructor.

HISTORY 535—HISTORY OF RUSSIAN
FOREIGN POLICY. (5-0-5)

Summer, 1981.

This course reviews historically the development of Soviet foreign policy toward Western European states, notably Germany, and also with the non-European world through 1917-1940, World War II, and Cold War phases. Special attention will be given in this last phase to U.S.-Soviet rivalry, Soviet relations with other communist states in Eastern Europe, China, and the Third World, and to the recent moves toward detente.

MPS 410—CURATORSHIP. (5-0-5)

Fall. Prerequisite: History 300.

Deals with the historical background and purpose of curatorship, conservation, restoration technology, research including authentication, cataloging and organizing collections.

MPS 411—INTERPRETATION. (5-0-5)

Winter. Prerequisite: History 300.

A study of exhibits, educational programs and community outreach, tour planning and guiding, publications, electronic media, and other interpretation techniques.

MPS 412—ADMINISTRATION. (5-0-5)

Spring. Prerequisite: History 300.

A study of organizational techniques and policy, public relations and marketing, membership, budgeting, personnel relations, security, insurance and such other topics as are pertinent.

MPS 420—AN INTRODUCTION TO HISTORIC PRESERVATION. (5-0-5)

Winter. Prerequisite: History 300.

A survey of the field including values, principles, practices; development of planning and organization for preservation; preservation law, economics and politics.

MPS 421—ARCHITECTURAL HISTORY. (4-2-5)

Summer.

A study of various styles of American architecture, Georgian, Federal, Neoclassical, Eclecticism and modern; slides from Historic American Building Survey; landscape architecture. Visiting speakers and field trips will be used.

MPS 495—INTERNSHIP IN MUSEUM STUDIES. (5-0-5)

Prerequisites: MPS 410, 411, and 412 with a "C" or better in each course.

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency involved in museum work. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under the joint supervision of the sponsoring agency and his faculty sponsor.

MPS 498—INTERNSHIP IN PRESERVATION STUDIES. (5-0-5)

Prerequisites: MPS 420, 412, 421 with a "C" or better in each course.

See MPS 495 for description, except that placement will be with an appropriate preservation agency.

Geography

GEOGRAPHY 111—WORLD HUMAN GEOGRAPHY. (5-0-5)

Winter and Summer.

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geopolitical problems within the major geographic regions. Consideration of adequacy of resources to support expanding world populations.

Political Science

POLITICAL SCIENCE 113—GOVERNMENT OF THE UNITED STATES. (5-0-5)

Offered each quarter.

A study of the structure, theory, and functions of the national government in the United States and some of the major problems of the state and local government.

POLITICAL SCIENCE 300—RESEARCH METHODS. (5-0-5)

Winter. Prerequisite: Political Science 113.

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on learning how to evaluate research.

POLITICAL SCIENCE 304—POLITICS OF BUREAUCRACY. (5-0-5)

Fall. Prerequisite: Political Science 113 or equivalent.

This is a one-quarter course that is primarily concerned with organizational theory and bureaucratic behavior, whether public or private, but with an emphasis on the behavior of the bureaucracy of the national government. Attention will also be given to political process as it unfolds in the administration of laws enacted by the Congress.

POLITICAL SCIENCE 306—LOCAL GOVERNMENT. (5-0-5)

Winter. Prerequisite: Political Science 113 or equivalent.

A study of the environment, structure, function, political processes, and policies of city, county, and other local governments in the United States. Special attention will be given to the city governments of Savannah, Ga.; Charleston, S.C.; and Gainesville, Fla. Large diverse cities, such as Atlanta, Jacksonville, Tampa, and Miami will also be compared in a more limited fashion and contrasted with Savannah, Charleston, and Gainesville. Policies examined will include finance (raising and spending money), education, welfare, pollution, transportation, and law enforcement.

POLITICAL SCIENCE 307—STATE GOVERNMENT. (5-0-5)

Spring. Prerequisite: Political Science 113 or equivalent.

A study of the environment, structure, function, political processes, and policies of state governments in the United States. Special attention will be given to the governments of Florida, Georgia, and South Carolina and to their role in the federal system. Policies examined will include finance (raising and spending money), pollution, transportation, and law enforcement.

POLITICAL SCIENCE 317—CONSTITUTIONAL LAW I. (5-0-5)

Fall. Prerequisite: Political Science 113 or equivalent.

A study of the development of the United States government through judicial interpretation of the Constitution. The case study method of analysis is used, but some attention is given also to recent behavioral writing on judicial decision-making.

POLITICAL SCIENCE 318—CONSTITUTIONAL LAW II. (5-0-5)

Winter. Prerequisite: Political Science 113 or equivalent.

A continuation of Political Science 317.

POLITICAL SCIENCE 320—INTERNATIONAL RELATIONS:
THE FAR EAST (5-0-5)

Fall, 1979.

Contemporary international politics in the Far East are examined in terms of such broad historical trends as the decline of imperialism, the development of nationalism, and the rise of the U.S., U.S.S.R., People's Republic of China, and Japan as major powers in Asia.

Some attention will be given to contemporary key issues such as the Sino-Soviet conflict, the future of Formosa, U.S.-Japan Mutual Security Treaty revision, and U.S.-Japan economic interaction.

POLITICAL SCIENCE 325—INTERNATIONAL
ORGANIZATION. (5-0-5)

Fall. Prerequisite: Political Science 113 or permission of instructor.

A survey of the development, principles, structures and functions of international organizations, with emphasis upon the role of these institutions in the maintenance of peace.

POLITICAL SCIENCE 326—INTERNATIONAL LAW. (5-0-5)

Spring. Prerequisite: Political Science 113 or permission of instructor.

An introduction to selected public international law topics including: recognition, state succession, jurisdiction, extradition, nationality, the law of treaties, the law of diplomacy, and the law of war.

POLITICAL SCIENCE 329—INTERNATIONAL
RELATIONS. (5-0-5)

Winter. Prerequisite: Political Science 113 or permission of instructor.

An introduction to the theories, forces, and practices dominating contemporary international relations.

POLITICAL SCIENCE 331—POLITICAL THEORY I. (5-0-5)

Fall.

An historical study of the development of ideas relative to the state and government from Socrates and Plato to the Seventeenth Century. Attention is directed primarily to the political thought of a selected group of eminent philosophers.

POLITICAL SCIENCE 332—POLITICAL THEORY II. (5-0-5)

Winter. Prerequisite: Political Science 331 or permission of instructor.

A continuation of Political Science 331, from the 17th to the 20th century.

POLITICAL SCIENCE 333—CONTEMPORARY
POLITICAL IDEOLOGIES.

(5-0-5)

Spring. Prerequisite: Political Science 332 or permission of instructor.

A continuation of Political Science 332, including a general survey and analysis of the important ideological currents of our time with selected in-depth readings from original sources.

POLITICAL SCIENCE 341—POLITICS OF
DEVELOPING NATIONS.

(5-0-5)

Winter, 1980. Prerequisite: Political Science 113 or permission of instructor.

An analysis of the theories, concepts, and the process of the political development and modernization of the emerging nations.

A general introduction to the concepts and problems of political integration, transformation of political culture, elite recruitment/political socialization, and political processes of selected emerging nations.

POLITICAL SCIENCE 346—COMPARATIVE GOVERNMENT:
EAST ASIA.

(5-0-5)

Prerequisite: Political Science 113 or permission of instructor.

A comparative examination of the contemporary political institutions, processes, and ideas of the People's Republic of China, Japan, and Korea. Examines the development of these political systems with particular emphasis on historical, social, cultural, and contemporary-issue dimensions.

POLITICAL SCIENCE 349—COMPARATIVE GOVERNMENT:
SOVIET UNION.

(5-0-5)

Spring, 1981. Prerequisite: Political Science 113 or permission of instructor.

An analytical and comparative study of the political system of the U.S.S.R. and the Soviet bloc of nations in Eastern Europe.

POLITICAL SCIENCE 395—INTERNSHIP.

(Credit variable,
up to 5 hours)

Prerequisite: Junior (with 3.5 GPA) or Senior standing (with a 3.0 GPA minimum).

The student will pursue an individually designed course project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full eleven-week quarter for completion, during which time the student will be under joint supervision by the sponsoring agency and his faculty advisor. Application and arrangements must be made through the department by mid-quarter preceding the quarter of the internship.

Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

POLITICAL SCIENCE 400—SENIOR SEMINAR.

(5-0-5)

Admission will be subject to approval of the instructor. Offered on demand. Designed to permit superior students to pursue research and reading in some field of political science under the supervision of the staff.

POLITICAL SCIENCE 403—PUBLIC POLICY
DEVELOPMENT.

(5-0-5)

Winter. Prerequisite: Political Science 304 or permission of the instructor.

This course is primarily concerned with a study of the theoretical aspects of decision-making theories (i.e., rational/comprehensive model vs. incremental model), political aspects of policy-making process, mobilization of political support, and the cost/benefit aspects of the public policy-making.

Some attempt will be made to apply the general theory of public policy-making to specific settings of welfare policy, urban problems, and national defense/foreign policy.

POLITICAL SCIENCE 410—INDEPENDENT STUDY IN
AMERICAN GOVERNMENT.

(credit variable)

Offered each quarter. Prerequisite: A minimum of 120 credit hours, including at least 20 hours in Political Science at the 300-level or above. Admission is by approval of a departmental committee.

Designed to permit superior students to pursue individual research and reading in some field of political science under the supervision of a member of the staff. Emphasis will be on wide reading, conferences with the advisor and written reports and essays. Normally open only to students with a B average (3.0) in Political Science and at least a 2.5 GPA overall. Applications must be filed with the Department by mid-quarter preceding the quarter independent study is contemplated.

Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

POLITICAL SCIENCE 418—ADMINISTRATIVE LAW.

(5-0-5)

Spring. Prerequisite: Political Science 113.

This course explores the framework of law governing administrative agencies including: administrative power and its control by the courts, the determination and enforcement of administrative programs, discretion of administrative officials and their powers of summary actions, hearings before administrative boards, and the respective spheres of administrative and judicial responsibility.

Some attention will be given to the problem of the maintenance of traditional procedural safeguards in administrative law and the problem of civil rights and relation to administrative boards. Leading cases will be examined.

POLITICAL SCIENCE 420—INDEPENDENT STUDY IN
INTERNATIONAL RELATIONS.

(credit variable)

Available each quarter.

See Political Science 410 for prerequisites and admission requirements.

POLITICAL SCIENCE 430—INDEPENDENT STUDY IN
POLITICAL THEORY.

(credit variable)

Available each quarter.

See Political Science 410 for prerequisites and admission requirements.

POLITICAL SCIENCE 440—INDEPENDENT STUDY IN
COMPARATIVE GOVERNMENT. (credit variable)

Available each quarter.

See Political Science 410 for prerequisites and admission requirements.

NOTE: The following graduate courses in Political Science are open to qualified undergraduates with advisor approval and permission of the instructor.

POLITICAL SCIENCE 511—AMERICAN PRESIDENCY. (5-0-5)

Summer, 1980.

Offers an in-depth survey of the office of the presidency, with the principal emphasis on the relations of the executive branch with the Congress and the court system. Some attention will be given to the evolution of the presidency to its present dominant position in the American political process. (Completion of a survey course in American History is desirable.)

POLITICAL SCIENCE 535—ORIGINS OF
TOTALITARIANISM. (5-0-5)

Summer, 1979; Fall, 1980.

An analysis of the socio-psychological basis of modern totalitarian movements. Major emphasis will be placed on pre-World War II Nazi Germany.

POLITICAL SCIENCE 540—COMPARATIVE
POLITICAL ANALYSIS. (5-0-5)

Summer, 1980.

This course is mainly theoretical. It deals with the various approaches, concepts, and methodologies that are being used in the analysis of comparative politics, viz: the traditional approach (formal-legal), group theory of politics, systems analysis, structural-functional analysis, communications theory, decision-making theory, game theory, etc. At the same time, each approach is examined as it is used in comparing the politics of various countries.

POLITICAL SCIENCE 546—FAR EASTERN GOVERNMENT
AND POLITICS. (5-0-5)

Fall, 1979.

Description and comparative analysis of the political systems of Communist China and Japan. Special attention is given to historical development, political institutions and processes, political culture, political socialization, and contemporary problems.

DEPARTMENT OF LANGUAGES AND LITERATURE

Professor Hugh Pendexter, III, Head; Professor Emeritus Lubs; Professors Anchors, Easterling, Jones, Killorin, Strozier; Associate Professors Brooks, Brown, Noble; Assistant Professors Harper, Harris, Jenkins, Ramsey, Suchower, Welsh and White.

Entering students should begin the required English composition sequence no later than the second quarter of their attendance. By doing so, students will have had the opportunity to complete the required sequence before taking the Regents Examination.

Students enrolled in the degree programs which require a foreign language must show proficiency in the appropriate language at the required level by successfully completing standardized examinations administered by members of the foreign language faculty. This requirement applies to students enrolled at Armstrong State College and taking their foreign language courses on this campus and to students who, while enrolled at Armstrong State College, take their foreign language courses on another campus. Students transferring to Armstrong State College, after having completed the required foreign language sequence at another college, with grades of "C" or above, are not required to complete the proficiency examinations at Armstrong.

Entering freshmen who wish to exempt the foreign language requirement may do so by successfully completing the proficiency examination through the level required in a specific degree program. For further information on the exemption process, the student should contact the Head of the Department of Languages and Literature.

Major in English

Students majoring in English should satisfy the college core requirements for the Bachelor of Arts degree during the Freshman and Sophomore years. Students must earn a grade of "C" or better in each 300 or 400 level course included in the major. Graduate courses (500 level) are open to qualified undergraduates with Advisor's permission and permission of the instructor.

Program for the Degree Bachelor of Arts with a Major in English

	Quarter Hours
A. General Requirements*	101
1. English 111, 112, 211, 222	20
2. Mathematics 101, 290	10
3. Laboratory Science Sequence	10
4. History 114, 115 and History 251 or 252	15
5. Political Science 113 and one course selected from:	10
Psychology 101, Anthropology 201,	
Sociology 201, Economics 201	
6. Foreign Language 101, 102, 103, 201	20
7. Two courses selected from:	10
Art 200, 271, 272, 273; Music 200;	
Philosophy 201; Drama/Speech 227, 228	
8. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in Major Field	40
1. English 406	5

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

2. One course in English Literature before 1800 to be selected from:	5
English 300, 302, 304, 320	
3. One course in English Literature after 1800 to be selected from:	5
English 305, 306, 307	
4. One course in American Literature to be selected from:	5
English 308, 309, 310	
5. Ten hour survey of World Literature: English 327, 328	10
6. Two additional courses in English Language or in Literature	10
C. Related Field Requirements	25
Courses numbered 300 or above in the following areas: Art, Drama/Speech, History, Literature, Music, Philosophy	
D. Approved Electives	25
E. Regents and Exit Examinations	
TOTAL	191

Program for Secondary School Teachers of English

A. General Requirements*	101
1. English 111, 112, 211, 222	20
2. Mathematics 101, 290	10
3. Laboratory Science Sequence	10
4. History 114, 115; History 251 or 252	15
5. Political Science 113 and Psychology 101	10
6. Foreign Language 101, 102, 103, 201	20
7. Drama/Speech 228 or 314 and one of the following:	10
Art 200, 271, 272, 273; Music 200; Philosophy 200, 201	
8. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in Major	40
1. English 406	
2. One course in British Literature before 1800 to be selected from:	5
English 300, 302, 304, 320	
3. One course in British Literature after 1800 to be selected from:	5
English 305, 306, 307	
4. One course in American Literature to be selected from:	5
English 308, 309, 310	
5. Ten hour survey of World Literature	10
English 327 and 328	
6. English 325 or 410	5
7. One additional English course — 300 or 400 level	5
C. Related Field Requirements	20
Four courses (300 level or above) to be selected from the following disciplines: Art, Drama/Speech, History, Music, Philosophy	
D. Professional Sequence	45
1. Psychology 301; Special Education 205	10
2. Education 203, 330, 425, 439, 446, 447, 448	35
E. Regents and Exit Examinations	
TOTAL	206

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

Minor Concentrations

The following minor concentrations are available from the Department of Languages and Literature. For completion of each of the minors, the student must earn a grade of "C" or better in each course offered for the minor.

The minor in *American Civilization* requires the completion of American Civilization 382 and 403 (10 hours), with a choice of three of the following (15 hours): AC/English 308, 309, 310; AC/History 351, 352, 376, 378.

The minor in *Drama/Speech* requires Dr/S 228 (5 hours) and electives (20 hours) chosen from Dr/S courses at the 300/400 level.

The minor in *Foreign Language* requires 25 hours in any one foreign language.

The minor in *Journalism* requires 20 hours to be chosen from: English/Journalism 340; DrS/Journalism 347, 350; Journalism 343, 364, 400.

The minor in *Linguistics* requires 20 hours to be chosen from: English/Linguistics 325, 340, 410; Linguistics 385, 400.

The minor in *Philosophy* requires 20 hours to be chosen from Philosophy courses at the 300/400 level.

The minor in *English* requires 20 hours to be chosen from English courses at the 300/400 level.

Course Offerings

American Civilization

AMERICAN CIVILIZATION 225—INTRODUCTION TO AMERICAN CIVILIZATION. (5-0-5)

Offered on demand.

Themes and issues of American Civilization since colonial times, with emphasis on modern setting, using interdisciplinary approaches.

AMERICAN CIVILIZATION 308—Same as English 308.

AMERICAN CIVILIZATION 309—Same as English 309.

AMERICAN CIVILIZATION 310—Same as English 310.

AMERICAN CIVILIZATION 382—DIRECTED READING IN AMERICAN CULTURE. (5-0-5)

Offered on demand. Prerequisite: Ten hours in approved American Civilization courses.

A study of both fine and popular arts of the United States under the supervision of an American Civilization staff member.

AMERICAN CIVILIZATION 403—INDEPENDENT STUDY (5-0-5)

Prerequisite: Satisfactory completion of all other requirements of the American Civilization minor.

Designed to permit the student to pursue individual research in some aspects of American Civilization under the supervision of an American Civilization staff member.

Comparative Literature

English 211 is prerequisite to all 300-400 level Comparative Literature courses.

COMPARATIVE LITERATURE 317—ANCIENT EPIC. (5-0-5)

COMPARATIVE LITERATURE 318—ANCIENT
DRAMA (5-0-5)

COMPARATIVE LITERATURE 400—SPECIAL
TOPICS. (5-0-5)

To be announced as offered.

Drama/Speech

Successful completion of English 111 is prerequisite to all Drama/Speech courses except 227.

DrS 217—PUBLIC SPEAKING. (2-0-2)

Offered on demand.

Theory and practice in varied public speaking situations; emphasis on organization, clarity, and delivery technique.

DrS 227—THEATRE LABORATORY. (0-3-1)

Offered every quarter.

Practical experience in theatre. The student will work on the Masquers' production of the quarter. Only one hour of credit may be earned per quarter. The maximum total credit allowed in Theatre Laboratory is five quarter hours.

In the summer students may take up to five hours credit in DrS 227 by working part-time in summer theatre workshop (DrS 450).

DrS 228—FUNDAMENTALS OF SPEECH. (5-0-5)

Prerequisite: English 111. Offered every quarter.

Practice and theory of oral communication. Each student makes several major speeches. The physiology of the speech mechanisms is covered, and articulation is studied within the framework of the International Phonetic Alphabet.

DrS/FILM 340—DEVELOPMENT OF THE CINEMA. (5-0-5)

A study of the history and development of the cinema with special emphasis on the American dominance of the medium.

DrS 341—ORAL INTERPRETATION. (5-0-5)

Offered on demand. Prerequisite: English 111.

A practical course in the oral interpretation of poetry and prose. The techniques of literary analysis are stressed along with the vocal techniques needed to communicate an author's mood and meaning.

DrS 342—ADVANCED ACTING. (5-0-5)

Offered on demand. Prerequisites: English 111 plus at least two credit hours in DrS 227.

Intensive study of characterization and styles of acting from several points: historical, critical, practical, theoretical, and experimental. Emphasis on development performance skills.

DrS 345—HISTORY OF THE THEATRE. (5-0-5)

Offered on demand. Prerequisite: English 111.

A survey of theatrical art from its beginning to the present day. The course emphasizes the development of the physical theatre.

DrS 346—PLAY PRODUCTION. (5-0-5)

Offered on demand. Prerequisite: English 111.

A course in the theory and practice of acting and directing, with special attention to image-making on stage. Individuals under supervision prepare and execute the production of scenes and short plays.

DrS/JOURNALISM 347—BASIC TV PRODUCTION. (2-9-5)

A course in the theory and practice of television production styles, forms, and concepts, with special emphasis on the critical appreciation of electronic communication technique.

DrS/FILM/JOURNALISM 350—FILM AS AN ART. (5-0-5)

Study of film theories or of genres with emphasis on critical appreciation of film as an art form. (Course may be repeated when topic changes.)

DrS 400—SPECIAL TOPICS. (1-5)-0-(1-5).

Prerequisite: English 111.

The special subject matter in this course will be determined and announced by the professor at the time when the course is offered.

DrS 450-451-452—DRAMA WORKSHOP. (0-15-5 each course)

Offered in summer only.

This course is summer stock theatre for credit. Students will be directed and instructed by a member of the faculty who is a professional in the theatre. All aspects of production will be studied.

DrS 490—INDEPENDENT STUDY. (1-5)-0-(1-5)

Offered on demand. Prerequisites: Senior status plus English 111 plus at least one 300 level DrS course. Open to transient students only with the permission of Dean of Faculty at Armstrong and the college from which the student comes.

English

ENGLISH 107—RHETORIC AND COMPOSITION. (5-0-5)

Training in the gathering, ordering, and presenting of information with emphasis on persuasiveness and accuracy. The students will be expected to write informative and persuasive prose. This course may not satisfy the requirements in Area I of the Core.

ENGLISH 110—ENGLISH AS A FOREIGN LANGUAGE. (5-0-5)

Offered on demand.

This course is designed to prepare students whose native language is other than English to do normal college work in composition. Students who pass the course will be eligible for English 111 or, upon recommendation by the instructor, for English 112. Admission is by placement test or by permission of the instructor. The course may not be used in Area I of the Core unless the student meets the proficiency level established by the department.

ENGLISH 111—COMPOSITION AND FICTION. (5-0-5)

Offered each quarter.

Assignment to this course is based upon the results of the Diagnostic Test for placement in beginning English courses or upon successful completion of English 99, 107, or 110. The instruction focuses on rhetoric, organization of ideas, and techniques of reading.

ENGLISH 112—COMPOSITION AND POETRY. (5-0-5)

Offered each quarter. Prerequisite: Satisfactory completion of English 111 or English 191.

ENGLISH 191—HONORS COMPOSITION. (5-0-5)

Fall.

Instruction in this course will not follow the traditional lecture method only; the student will read widely and write a research paper (or papers) in the fashion which the instructor thinks will best discipline him for independent study. This course replaces English 111 for students selected by the department on the basis of admission test scores.

ENGLISH 192—HONORS COMPOSITION AND INTRODUCTION TO LITERATURE. (5-0-5)

Prerequisite: English 191 or a grade of "A" in English 111. Winter.

In this course the student will read more extensively than for English 112 and will write critical papers.

ENGLISH 211—COMPOSITION AND DRAMA. (4-2-5)

Offered each quarter. Prerequisite: English 112 or English 192.

This course is prerequisite to all 300-400 level courses in English and Comparative Literature.

ENGLISH 222—LITERATURE AND THE HUMAN CONDITION. (5-0-5)

Offered every quarter. Prerequisite: English 211.

A course ordered around one or all of these questions: (1) man's nature, needs and goals; (2) his place in nature; (3) his relationship to human society. The works read may investigate in depth one point of view on these questions or may explore several contrasting viewpoints. The student will be asked to order and express, at least tentatively, his own views. No term or research paper required.

ENGLISH 250—INTERMEDIATE COMPOSITION. (5-0-5)

Institutional Credit. Offered on demand.

A course designed to correct deficiencies in writing revealed by the Regents Examination. Prerequisite: Completion of the English core requirements of the student's program. Does not count in the core.

ENGLISH 211 is prerequisite for all 300-400 level courses.

ENGLISH 300—EARLY ENGLISH LITERATURE:
BEGINNINGS THROUGH 1603. (5-0-5)

Offered on demand.

ENGLISH 302—17TH CENTURY BRITISH
POETRY AND PROSE: 1603-1700. (5-0-5)

Offered on demand.

ENGLISH 304—18TH CENTURY BRITISH
POETRY AND PROSE. (5-0-5)

Offered on demand.

ENGLISH 305—19TH CENTURY I: BRITISH
ROMANTIC POETRY AND PROSE. (5-0-5)

Offered on demand.

ENGLISH 306—19TH CENTURY II: BRITISH
VICTORIAN POETRY AND PROSE. (5-0-5)

Offered on demand.

ENGLISH 307—20TH CENTURY BRITISH
POETRY AND PROSE. (5-0-5)

Offered on demand.

ENGLISH 308—AMERICAN I: BEGINNINGS
THROUGH COOPER. (5-0-5)

Offered on demand.

ENGLISH 309—AMERICAN II: EMERSON
THROUGH TWAIN. (5-0-5)

Offered on demand.

ENGLISH 310—AMERICAN III: RISE OF
NATURALISM TO THE PRESENT. (5-0-5)

Offered on demand.

ENGLISH 320—BRITISH DRAMA:
BEGINNINGS THROUGH 1750. (5-0-5)

Offered on demand.

ENGLISH 322—MODERN BRITISH, AMERICAN, AND
CONTINENTAL DRAMA: ISBEN TO THE PRESENT. (5-0-5)

Offered on demand.

ENGLISH/LINGUISTICS 325—ADVANCED GRAMMAR. (5-0-5)

Offered on demand.

This is a study of current approaches to grammar (including generative-transformational); phonology, morphology and syntax will be studied.

ENGLISH 327—WORLD LITERATURE I. (5-0-5)

Offered on demand.

A study of major works and movements in world literature through the Renaissance.

ENGLISH 328—WORLD LITERATURE II. (5-0-5)

Offered on demand.

A study of major works and movements in modern world literature.

ENGLISH 329—INTRODUCTION TO LITERARY RESEARCH AND WRITING. (2-0-2)

Offered on demand.

A course intended to increase the student's skill in gathering research materials and using bibliographies, to improve the style and mechanics of his scholarly papers and to familiarize him with literary terminology. Highly recommended for those majors who plan to teach or enter graduate school.

ENGLISH 331—CHILDREN'S LITERATURE. (5-0-5)

(Does not apply toward English major). Offered on demand.

ENGLISH 332—LITERATURE FOR ADOLESCENTS. (5-0-5)

Offered on demand. (Does not apply toward the English major except for candidates for secondary teacher certification.)

ENGLISH/LINGUISTICS 340—ADVANCED COMPOSITION. (5-0-5)

Offered on demand. Prerequisite: English 211 or consent of instructor (does not apply toward English major).

The study of expository and report techniques.

ENGLISH 342—CREATIVE WRITING. (5-0-5)

Prerequisite: English 222 or consent of instructor. Offered on demand.

ENGLISH 400—SEMINAR. (1-5)-0-(1-5)

Topic to be announced as offered. Offered on demand.

ENGLISH 401—SEMINAR. (1-5)-0-(1-5)

Topic to be announced as offered. Offered on demand.

ENGLISH 405—CHAUCER. (5-0-5)

Offered on demand.

ENGLISH 406—SHAKESPEARE. (5-0-5)

Offered on demand.

ENGLISH 407—MILTON. (5-0-5)

Offered on demand.

ENGLISH/LINGUISTICS 410—HISTORY OF
ENGLISH LANGUAGE.

(5-0-5)

Offered on demand.

ENGLISH 490—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Offered on demand. Prerequisites: Senior status and English 211. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

ENGLISH 491—INDEPENDENT STUDY.

(1-)-0-(1-5)

Offered on demand. Prerequisites: Senior status and English 211. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Foreign Language

French

FRENCH 101-102-103—ELEMENTARY

FRENCH.

(5-0-5) (5-0-5) (5-0-5)

Offered each year.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required.*

To receive credit for French 103, a student must successfully complete the appropriate national standardized test.

FRENCH 201—INTERMEDIATE FRENCH.

(5-0-5)

Offered on demand. Prerequisite: three quarters of college French or three years of high school French.

Further reading of texts, and oral and composition practice. To receive credit for French 201, a student must pass the appropriate national standardized test.

FRENCH 300—COMPOSITION AND CONVERSATION.

(5-0-5)

Winter. Prerequisite: French 201.

FRENCH 301—FRENCH LITERATURE OF THE
MIDDLE AGES AND THE RENAISSANCE.

(5-0-5)

Offered on demand. Prerequisite: French 201.

FRENCH 302—FRENCH CLASSICAL DRAMA.

(5-0-5)

Offered on demand. Prerequisite: French 201.

Selected plays of Corneille, Moliere, and Racine.

FRENCH 304—FRENCH LITERATURE OF
THE 19TH CENTURY.

(5-0-5)

Offered on demand. Prerequisite: French 201.

A study of Romantic prose, poetry, and drama, with lectures and discussions in French.

FRENCH 305—FRENCH LITERATURE OF THE
19TH CENTURY: REALISM AND NATURALISM.

(5-0-5)

Offered on demand. Prerequisite: French 201.

*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

FRENCH 351-352-353—STUDY ABROAD
IN FRANCE.

(15 hours credit).

Prerequisite: French 103.

This course is a summer quarter's residence and study in France in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Dijon for a period of nine weeks. During this time the student will receive intensive instruction in language and culture and will be expected to engage in co-curricular activities sponsored by the University of Dijon and USG.

FRENCH 401—FRENCH LITERATURE OF THE
TWENTIETH CENTURY.

(5-0-5)

Prerequisite: French 201.

This course is a study of contemporary prose, poetry, and drama with lectures and discussions in French. This course, normally the last course in French that a student would take, includes a serious term paper of considerable magnitude to be written in French.

FRENCH 490—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Offered on demand. Prerequisites: Senior status and French 201. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

German

GERMAN 101-102-103—ELEMENTARY
GERMAN.

(5-0-5) (5-0-5) (5-0-5)

Offered each year.

Elements of reading and writing: basic vocabulary; simple conversation; essentials of grammar.* To receive credit for German 103, a student must pass the appropriate national standardized test.

GERMAN 201—INTERMEDIATE GERMAN.

(5-0-5)

Fall. Prerequisite: Three quarters of college German or three years of high school German.

Further reading of texts, oral and composition practice. To receive credit for German 201, a student must pass the appropriate national standardized test.

GERMAN 211—SCIENTIFIC GERMAN.

(3-0-3)

Offered on demand. Prerequisite: Same as 201.

Readings in scientific and technical material with special attention to grammatical difficulties encountered in this literature.

GERMAN 300—COMPOSITION AND CONVERSATION.

(5-0-5)

Offered on demand. Prerequisite: German 201.

*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.

GERMAN 305—19TH CENTURY

GERMAN LITERATURE.

(5-0-5)

Offered on demand. Prerequisite: German 201.

GERMAN 307—20TH CENTURY

GERMAN LITERATURE.

(5-0-5)

Offered on demand. Prerequisite: German 201.

GERMAN 351-352-353—STUDY ABROAD

IN GERMANY.

(15 hours credit)

Prerequisite: German 103.

This course is a summer quarter's residence and study in Germany in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Germany for a period of nine weeks. During this time the student will receive intensive instruction in language and culture and will participate in University sponsored activities.

GERMAN 490—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Offered on demand. Prerequisite: Senior status and German 201. Open to transient student only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Latin

LATIN 101-102-103—ELEMENTARY

LATIN.

(5-0-5) (5-0-5) (5-0-5)

Offered each year.

Essentials of grammar; readings from selected Latin authors.

LATIN 201—INTERMEDIATE LATIN.

(5-0-5)

Offered on demand.

Further reading in Latin literature with special emphasis on Vergil and Ovid.

Russian

RUSSIAN 101-102-103—ELEMENTARY

RUSSIAN.

(5-0-5) (5-0-5) (5-0-5)

Offered each year.

These courses provide the student with the elements of Russian reading, composition, and conversation.* To receive credit for Russian 103, a student must pass the appropriate national standardized test.

RUSSIAN 201—INTERMEDIATE RUSSIAN.

(5-0-5)

Fall. Prerequisite: Russian 103.

Further reading of texts, oral and composition practice. To receive credit for Russian 201, a student must pass the appropriate national standardized tests.

*Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½i.p.s.

Spanish

SPANISH 101-102-103—ELEMENTARY SPANISH.

(5-0-5) (5-0-5) (5-0-5)

Offered each year.

These courses provide the student with the elements of Spanish reading, composition, and conversation.* To receive credit for Spanish 103, a student must pass the appropriate national standardized test.

SPANISH 201—INTERMEDIATE SPANISH.

(5-0-5)

Fall. Prerequisite: Three quarters of college Spanish or three years of high school Spanish.

Further reading of texts, oral and composition practice. To receive credit for Spanish 201, a student must successfully pass the appropriate national standardized test.

SPANISH 300—COMPOSITION AND CONVERSATION.

(5-0-5)

Winter. Prerequisite: Spanish 201.

SPANISH 351-352-353—STUDY ABROAD IN SPAIN.

(15 hours credit)

Prerequisite: Spanish 103.

This course is a summer quarter's residence and study in Spain in conjunction with the Study Abroad Program of the University System of Georgia. The program is offered in Salamanca for a period of nine weeks. During this time the students will receive intensive instruction in language and culture which will be complemented by a number of excursions.

SPANISH 490—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Offered on demand. Prerequisites: Senior status and Spanish 201. Open to transient students only with the permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Journalism

JOURNALISM 227—JOURNALISM LABORATORY.

(0-3-1)

Offered on demand.

Practical experience in journalism. Students will work under instruction on the college newspaper staff. Only one hour's credit may be earned per quarter. The maximum total credit allowed in Journalism Laboratory is five quarter hours. Admission by permission of the instructor.

JOURNALISM 340—See English 340.

JOURNALISM 343—JOURNALISTIC WRITING.

(5-0-5)

Prerequisite: English 211.

Investigation of and intensive practice in the techniques of modern journalism with emphasis on writing for newspapers and periodicals.

JOURNALISM 347—See DrS 347.

**Students who own tape machines may check copies of taped lessons out of the library. These tapes are recorded at 7½ i.p.s.*

JOURNALISM 350—See DrS 350.

JOURNALISM 364—COPY EDITING AND LAYOUT. (2-0-2)

Prerequisite: Journalism 340 or 343 or permission of instructor.

This is an intensive workshop in preparing copy for the press. Emphasis is on editing, on rewriting, and on makeup of pages.

JOURNALISM 400—TOPICS IN JOURNALISM. (3-0-3)

This is a seminar on topics of interest and utility to journalists in all the media. Individual topics will be announced. The course may be taken for credit more than once as topics change.

Linguistics

LINGUISTICS 325—See English 325.

LINGUISTICS 340—See English 340.

LINGUISTICS 385—DIALECTS OF AMERICAN ENGLISH. (5-0-5)

Prerequisite: English/Linguistics 325 or Speech 228.

Investigates and describes major American dialects in terms of their phonology, morphology, lexicon, and syntax. Both geographic and social dialects are covered.

LINGUISTICS 400—TOPICS IN LINGUISTICS. (3-0-3)

Prerequisite: English/Linguistics 325 or 410 or Linguistics 385 or permission of the instructor.

A seminar in subjects of interest in both theoretical and applied linguistics. Topics will be announced, and the course may be taken more than once for credit as topics change.

LINGUISTICS 410—See English 410.

Philosophy

Successful completion of English 111 is prerequisite to all Philosophy courses.

PHILOSOPHY 200—NATURE, CULTURE, AND CHOICE. (5-0-5)

Prerequisite: English 111.

The central notion is that man transforms nature into culture by means of symbol systems. The course asks what needs of human nature are served thereby and what ethical consequences are involved. It stresses the assumptions and methods defining the humanities and science and, in ethics, focuses on professional issues.

PHILOSOPHY 201—INTRODUCTION TO PHILOSOPHY. (5-0-5)

Offered on demand. Prerequisite: English 111

The fundamentals of philosophy, the meaning and function of philosophy, and the vocabulary and problems of philosophy. Includes a survey of the basic issues and major types of philosophy and shows their sources in experience, history, and representative thinkers.

PHILOSOPHY 301—HISTORY OF PHILOSOPHY:
ANCIENT AND MEDIEVAL.

(5-0-5)

Offered on demand. Prerequisite: English 111.

An historical introduction to philosophy, tracing the development of European philosophy from the early Greeks through the Middle Ages, with emphasis on selected works of major philosophers.

PHILOSOPHY 302—HISTORY OF
PHILOSOPHY: MODERN.

(5-0-5)

Offered on demand. Prerequisite: English 111.

European philosophy from the Renaissance through Kant, emphasizing selected works of major philosophers.

PHILOSOPHY 303—19TH AND 20TH CENTURY
PHILOSOPHY.

(5-0-5)

Prerequisite: English 111. Offered on demand.

A study of the major philosophers in philosophical movements of the 19th and 20th centuries.

PHILOSOPHY 400—SPECIAL TOPICS.

(1-5)-0-(1-5)

Offered on demand. Prerequisite: one 200 or 300 level philosophy course.

The specific subject matter in this course will be determined and announced by the professor at the time when the course is offered.

PHILOSOPHY 490—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Offered on demand. Prerequisite: Senior status and one 300-level Philosophy course.

The student, with the advice and consent of his supervising professor and of the department head, will select the topic for supervised independent study and will submit a prospectus for department approval before the quarter in which the course is to be taken. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Professor Richard M. Summerville, Head; Professor Emeritus Winn; Professors Hinkel and Hudson; Associate Professors Kilhefner, Munson, Netherton, and Shipley; Assistant Professors Findeis, Geoffroy, and Leska.

The department offers four baccalaureate (four-year) programs of study, with each leading to the Bachelor of Science degree with a major in the mathematical sciences. Under this one baccalaureate degree designation students may pursue concentrations entitled "Mathematics," "Applied Mathematics," "Mathematics Education," and "Computer Science." The mathematics education concentration is specifically designed to prepare teachers of secondary mathematics and is an approved program for

the Georgia Teacher's Professional Four-Year Certificate (T-4). The Department of Mathematics and Computer Science also participates in the Dual Degree Program of Armstrong State College and the Georgia Institute of Technology, under which students may, in five years of study, earn simultaneously the B.S. degree in the mathematical sciences (applied mathematics) from Armstrong and the Bachelor's degree in any one of a number of fields of engineering from Georgia Tech.

Students who wish to consider pursuing any of the above degree programs should consult with the department head before their first quarter in residence for advisement and planning of their academic programs.

**Program for the Degree
Bachelor of Science with a Major in the
Mathematical Sciences**

	<i>Quarter Hours</i>
A. General Requirements*	96
1. English 111, 112, 211	15
2. One of the courses:	5
Art 200, 271, 272, 273; English 222;	
Music 200; Philosophy 200, 201	
3. One of the sequences:	10
Biology 101-102; Chemistry 128-129 (required for	
dual degree students); Physics 217-218	
4. History 114, 115, and either 251 or 252	15
5. Political Science 113	5
6. One of the courses:	5
Psychology 101 (required for the concentration	
in Mathematics Education), Sociology 201,	
Economics 201, or Anthropology 201	
7. Mathematics 101, 103, 104, 201, 202, 203	30
8. Computer Science 110	5
9. Physical Education 103 or 108, 117, and three	
activities courses	6
B. Courses in the Major Field	55
Each student majoring in the mathematical sciences must select	
one of the following four options and complete its requirements:	
OPTION ONE — MATHEMATICS:	
1. Mathematics 260, 311, 316, and either 312 or 317	16
2. Mathematics 401, 402	8
3. Approved mathematics electives (300-400 level)	16
4. One foreign language or computer science sequence	15
OPTION TWO — APPLIED MATHEMATICS:	
1. Mathematics 260, 316, 341, and either 342 or 353	17-18
2. Computer Science 146 or 241	5
3. Physics 217, 218, 219; or Mathematics 321,	
322, 346, and Computer Science 325	18
4. Approved mathematics electives (300-400 level)	15-14

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

OPTION THREE — MATHEMATICS EDUCATION:

1. Mathematics 220, 260, 311, 316, 336	22
2. Approved mathematics electives (300-400 level)	8
3. Psychology 301	5
4. Education 203, 330, 441, and Special Education 205	20

OPTION FOUR — COMPUTER SCIENCE:

1. Computer Science 241, 301, 302, 306	20
2. Two courses from Computer Science 345, 401, 431	10
3. Mathematics 260, and either Mathematics 220 or 321	10
4. Approved electives in computer science, at most one of which may be selected from among C.S. 136, C.S. 146, C.S. 225	15
C. Related Field Requirements	15
In addition to the above requirements, each student majoring in the mathematical sciences must complete fifteen quarter hours of approved courses in one field of study related to his major. Students completing the major requirements under option one may not use the same field to meet this requirement as was used to meet requirement (4) of the major. Students completing the major requirements under option three must meet this requirement through student teaching (Education 446, 447, 448).	
D. Approved electives	25
E. Regents and Exit Examinations	

TOTAL 191**Minor Concentration**

The department offers a minor in *Computer Science*. The minor requires 25 hours with an average grade of "C" or better. The student will take Computer Science 110, 231 or 241, 301, 306, and five quarter hours of additional approved coursework in Computer Science.

Course Offerings**Mathematics****MATHEMATICS 101—COLLEGE ALGEBRA. (5-0-5)**

Fall, Winter, Spring, Summer. Prerequisite: A student must have attained at least one of the following prior to enrolling: (a) a score of at least 420 on the mathematics portion of the SAT; or (b) a score of at least 20 on the Mathematics Diagnostic Test; or (c) a grade of "P" in Mathematics 099. Dates on which the Mathematics Diagnostic Test is administered are given in the academic calendar in the front of the catalogue. Present text: Swokowski, Fundamentals of College Algebra.

Real number arithmetic; polynomial and rational expressions; linear and quadratic equations; functions and graphs; inequalities; absolute value; sequences and progressions; the binomial theorem; techniques of counting and elementary probability. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 103—PRE-CALCULUS MATHEMATICS. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101 or permission of the department head. Present text: Flanders and Price, Introductory College Mathematics with Linear Algebra and Finite Mathematics.

Functions; polynomial, trigonometric, exponential, and logarithmic functions; mathematical induction; complex numbers; matrices, determinants, and systems of equations. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 104—CALCULUS I. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 103 or permission of the department head. Present text: Leithold, The Calculus with Analytic Geometry.

Functions; limits; continuity; the derivative and its applications. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 195—APPLIED FINITE MATHEMATICS WITH CALCULUS. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Lial and Miller, Mathematics: with Applications in the Management, Natural, and Social Sciences.

A survey of elementary analytic, linear, and finite mathematics as they relate to commerce, business, and life situations.

MATHEMATICS 201—CALCULUS II. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 104. Present text: Leithold, The Calculus with Analytic Geometry.

The Riemann integral and its applications; differential and integral calculus of exponential, logarithmic, and trigonometric functions; techniques of integration. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 202—CALCULUS III. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 201. Present text: Leithold, The Calculus with Analytic Geometry.

Polar coordinates; conic sections; hyperbolic functions; indeterminate forms; improper integrals; Taylor's formula; infinite series.

MATHEMATICS 203—CALCULUS IV. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 202. Present text: Leithold, The Calculus with Analytic Geometry.

Two and three dimensional vectors; parametric equations; solid analytic geometry; differential calculus of several variables; multiple integration; line integrals.

MATHEMATICS 220—ELEMENTARY STATISTICS. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Freund, Statistics: A First Course.

Measures of central tendency and dispersion; probability distributions; inferences concerning means, standard deviations, and proportions; anal-

ysis of variance; correlation; regression. (May be exempted by examination with academic credit awarded.)

MATHEMATICS 260—LOGIC, PROOF, AND SET THEORY. (5-0-5)

Fall, Spring. Prerequisite: Mathematics 201. Present text: Lin and Lin, Set Theory: An Intuitive Approach.

Elementary logic; naive set theory; relations and functions; Boolean algebras; ordering relations.

MATHEMATICS 290—TOPICS IN MATHEMATICS. (5-0-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Wimbish, Mathematics: A Humanistic Approach.

A terminal course of selected topics designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics in western thought and contemporary culture.

MATHEMATICS 311-312—ABSTRACT ALGEBRA I, II.

311 - (4-0-4) - Fall (even years); 312 - (3-0-3) - Winter (odd years). Prerequisite: Mathematics 260. Present text: Hillman and Alexanderson, A First Undergraduate Course in Abstract Algebra.

Classical topics in the elementary theory of groups, rings, and fields.

MATHEMATICS 316-317—LINEAR ALGEBRA I, II.

316 - (4-0-4) - Winter; 317 - (3-0-3) - Spring. Prerequisites: Mathematics 203 (may be taken concurrently) and Mathematics 260. Present texts: Kolman, Elementary Linear Algebra; and Rorres and Anton, Applications of Linear Algebra.

Linear systems; vector spaces and linear transformations; matrices; determinants; normed linear spaces and inner product spaces.

MATHEMATICS 321-322—PROBABILITY AND MATHEMATICAL STATISTICS I, II.

321 - (5-0-5) - Fall (even years); 322 - (4-0-4) - Winter (odd years). Prerequisite: Mathematics 203 (may be taken concurrently). Present text: Freund, Mathematical Statistics.

Probability spaces; random variables; algebra of expectation; random sampling; the law of large numbers; correlation and regression.

MATHEMATICS 336-337—MODERN GEOMETRY I, II.

336 - (4-0-4) - Fall (odd years); 337 - (3-0-3) - Winter (even years). Prerequisite: Mathematics 260. Present text: Ewald, Geometry: An Introduction.

A survey of selected topics from Euclidean, spherical, projective, and finite geometry.

MATHEMATICS 341-342—DIFFERENTIAL EQUATIONS I, II. (4-0-4 each)

341 - Winter; 342 - Spring. Prerequisite: Mathematics 203. Present text: Boyce and DePrima, Elementary Differential Equations and Boundary Value Problems.

Ordinary differential equations; series solutions; systems of first order differential equations; the Laplace transform; introduction to Fourier

series; partial differential equations; Sturm-Liouville theory; applied problems.

**MATHEMATICS 346—MATHEMATICAL MODELING
AND OPTIMIZATION.**

(4-0-4)

Spring (even years). Prerequisite: Mathematics 203. Present text: Cooper, Bhat and LeBlanc, Introduction to Operations Research Models.

Design, solution, and interpretation of mathematical models for problems in the social, life, and management sciences. Topics chosen from linear programming, dynamic programming, scheduling theory, Markov chains, game theory, queueing theory, and inventory theory.

MATHEMATICS 353—NUMERICAL ANALYSIS.

(5-0-5)

Summer (even years). Prerequisites: Mathematics 203 and Computer Science 110. Present text: Conte and deBoor, Elementary Numerical Analysis.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

MATHEMATICS 360—MATHEMATICAL LOGIC.

(3-0-3)

Spring (odd years). Prerequisite: Mathematics 260. Present text: Hunter, Metalogic: An Introduction to the Metatheory of Standard First Order Logic.

The elementary statement and predicate calculus; formal systems; applications of logic in mathematics.

MATHEMATICS 391—BASIC IDEAS OF ARITHMETIC.

(5-0-5)

Winter, Summer. Prerequisite: Mathematics 101. Present text: Copeland, Mathematics and the Elementary Teacher.

Fundamental concepts of arithmetic as they relate to the elementary school; current elementary school methods and materials used in arithmetic instruction. (Credit will not apply toward a degree in the mathematical sciences.)

MATHEMATICS 392—BASIC IDEAS OF GEOMETRY.

(5-0-5)

Offered on demand. Prerequisite: Mathematics 391. Present text: Haag, Hardgrove, and Hill, Elementary Geometry.

Fundamental concepts of geometry as they relate to the elementary school; current elementary school methods and materials used in geometry instruction. (Credit will not apply toward a degree in the mathematical sciences.)

MATHEMATICS 400—PUTNAM SEMINAR.

(0-2-1)

Fall. Prerequisites: Mathematics 203, 260.

A variety of mathematical problems, considered with the aim of developing problem solving techniques.

MATHEMATICS 401-402—ADVANCED CALCULUS I, II. (4-0-4 each)

401 - Fall (odd years); 402 - Winter (even years). Prerequisites: Mathematics 203, 260. Present text: Sagan, Advanced Calculus.

The real number system; sequences; limits of functions; the Bolzano-Weierstrass theorem; compactness; uniform continuity; the derivative; the Riemann integral; Euclidean n -space, sequences of functions, the Weierstrass approximation theorem; series; elementary functions.

MATHEMATICS 406—FUNCTIONS OF A COMPLEX VARIABLE. (5-0-5)

Summer (odd years). Prerequisites: Mathematics 203, 260. Present text: Churchill, Complex Variables with Applications.

Complex numbers; elementary functions and transformations; the Cauchy theory; conformal mapping; Riemann's mapping theorem.

MATHEMATICS 416—THEORY OF NUMBERS. (3-0-3)

Fall (odd years). Prerequisites: Mathematics 203, 260. Present text: Adams and Goldstein, Introduction to Number Theory.

Divisibility and congruence; quadratic reciprocity; diophantine equations; number-theoretic functions and their applications; selected advanced topics from algebraic and analytic number theory.

MATHEMATICS 436—TOPOLOGY. (3-0-3)

Spring (even years). Prerequisite: Mathematics 401. Present text: Dugundji, Topology.

Topological spaces and homeomorphisms; separability; compactness; connectedness; completeness; metrizability; introduction to homotopy theory.

MATHEMATICS 470—HISTORY OF MATHEMATICS. (3-0-3)

Fall (even years). Prerequisites: Mathematics 203 and six quarter hours of 300-400 level courses in mathematics. Present text: Eves, An Introduction to the History of Mathematics.

A survey of the development of mathematics from its empirical beginnings to its present state.

MATHEMATICS 490—SPECIAL TOPICS. ((1-5)-0-(1-5)).

Offered by special arrangement. Prerequisites: Consent of instructor and permission of department head.

Individual readings and research under the direction of a member of the mathematics faculty.

MATHEMATICS 496-497-498—INTERNSHIP IN MATHEMATICS. ((0-1)-(12-15)-5 each)

Offered by special arrangement. Prerequisite: Permission of the department head.

Experience, in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of the faculty and appropriate off-campus supervisory personnel. (Open to transient students only with permission of the Dean of Faculty at Armstrong and that of the appropriate official of the college from which the student comes.)

Computer Science

COMPUTER SCIENCE 110—INTRODUCTION TO COMPUTING.

(4-3-5)

Fall, Winter, Spring, Summer. Prerequisite: Mathematics 101. Present text: Bent and Sethares, BASIC: An Introduction to Computer Programming.

BASIC programming and program structure; elementary logic and Boolean algebra; algorithms; flow charts; debugging; computer solutions of numeric and non-numeric problems; characteristics and applications of computers in modern society.

COMPUTER SCIENCE 136—RPG PROGRAMMING.

(3-4-5)

Fall. Prerequisite: Computer Science 110. Present text: Shelly and Cashman, Introduction to Computer Programming — RPG.

Introduction to the language and programming applications for small computer systems using RPG.

COMPUTER SCIENCE 146—FORTRAN PROGRAMMING.

(3-4-5)

Summer. Prerequisite: Computer Science 110. Present text: Gottfried, Programming with FORTRAN IV.

FORTRAN syntax, arrays, input/output, subroutines, programming techniques.

COMPUTER SCIENCE 225—STATISTICAL PROGRAMMING FOR THE SOCIAL SCIENCES.

(3-4-5)

Fall. Prerequisites: Mathematics 220 and Computer Science 110. Present text: Nie, et.al., Statistical Package for the Social Sciences.

Uses of computers in statistical analysis, including the study of statistical methods, the programming of statistical analyses, and data analysis using packaged systems.

COMPUTER SCIENCE 231—PROGRAMMING PRINCIPLES WITH COBOL.

(3-4-5)

Winter, Summer. Prerequisite: Computer Science 110. Present texts: Murach, Standard COBOL; and Chai and Chai, Programming Standard COBOL.

The COBOL programming language: basic syntax, input/output, debugging, table-handling, sorting, searching, sequential file manipulation; structured programming for COBOL; JCL for COBOL programs.

COMPUTER SCIENCE 241—PROGRAMMING PRINCIPLES WITH PL/1.

(3-4-5)

Fall, Spring. Prerequisites: Mathematics 103 and Computer Science 110. Present text: Hughes, PL/1 Structured Programming.

The PL/1 programming language: basic syntax, input/output, debugging, array structures, non-numeric processing, sequential file manipulation; structured programming for PL/1; JCL for PL/1 programs.

COMPUTER SCIENCE 301—COMPUTER ORGANIZATION AND PROGRAMMING.

(4-3-5)

Winter, Summer. Prerequisite: Computer Science 231 or Computer Science 241. Present text: Kuo, Assembler Language for FORTRAN, COBOL, and PL/1 Programmers.

Introduction to systems programming via in-depth coverage of assembler programming; operating systems; addressing techniques, internal storage structure; machine-level representation of instructions and data; subroutines; I/O; linkers and loaders; macro-facilities; mass data storage facilities.

COMPUTER SCIENCE 302—DATA STRUCTURES.

(4-3-5)

Fall. Prerequisite: Computer Science 241, 301. Present text: Tremblay and Sorenson, An Introduction to Data Structures with Applications.

Internal representation of arrays, queues, trees, stacks, and lists; hardware characteristics of large computer systems; concepts related to the interaction between data structures and storage structures for the generating, developing, and processing of data.

COMPUTER SCIENCE 306—DATA AND PROGRAMMING MANAGEMENT.

(3-4-5)

Fall, Spring. Prerequisite: Computer Science 231 or Computer Science 241. Present texts: Shelly and Cashman, OS Job Control Language; and Brown, System/360 Job Control Language.

Indexed sequential, direct, relative files; programs involving file manipulations in COBOL or PL/1; utility programs; partitioned data sets; procedure libraries; JCL required for the aforementioned topics.

COMPUTER SCIENCE 325—SYSTEM SIMULATION.

(3-4-5)

Spring (odd years). Prerequisites: Computer Science 110, Mathematics 203, and either Mathematics 220 or Mathematics 321. Text: To be selected. (formerly C.S. 320)

The use of random number generators and the statistical evaluation of their output; simulation theory and techniques; elementary simulations; a simulation language or advanced simulations.

COMPUTER SCIENCE 331—SYSTEMS ANALYSIS AND DESIGN.

(4-3-5)

Spring. Prerequisites: Computer Science 301, 306. Present texts: Li, Design and Management of Information Systems; and Semprevivo, Systems Analysis: Definition, Process, and Design. (formerly C.S. 432)

Principles and techniques of systems analysis, including personnel and machine requirements, file considerations, problem formulation, analysis aids, iterative requirements of the design phase, and implementation criteria and evaluation; readings and case studies related to analysis and design, and a student project incorporating the techniques studied in an appropriate real-world environment.

COMPUTER SCIENCE 342—COMPARATIVE LANGUAGES.

(3-4-5)

Winter (even years). Prerequisite: Computer Science 241. Present text: Peterson, Introduction to Programming Languages. (formerly C.S. 242)

Comparative study of programming languages including facilities for recursion, procedures, storage allocation techniques, string processing, and passing of parameters.

COMPUTER SCIENCE 345—PROGRAMMING LANGUAGES:
THEORY AND DESIGN.

(4-3-5)

Spring (even years). Prerequisites: Computer Science 302, 342. Present text: Pratt, Programming Languages: Design and Implementation. (formerly C.S. 341)

Formal definition of programming languages; specification of syntax and semantics; precedence rules for operators; translation between infix, prefix, and postfix notations; subroutines and coroutines; block structures; list structures; string structures.

COMPUTER SCIENCE 353—NUMERICAL ANALYSIS. (5-0-5)

Summer (even years). Prerequisites: Mathematics 203 and Computer Science 110. Present text: Conte and deBoor, Elementary Numerical Analysis.

Numerical error; polynomial interpolation; systems of linear equations; numerical integration and numerical solution of differential equations; matrix inversion; evaluation of determinants; calculation of eigenvalues and eigenvectors; boundary value problems.

COMPUTER SCIENCE 401—SYSTEMS PROGRAMMING I. (4-3-5)

Winter (odd years). Prerequisite: Computer Science 302. Present text: Habermann, Introduction to Operating System Design.

Software requirements for support of computer systems, especially in a multi-programmed environment; addressing techniques; file system organization and management, I/O; control systems; spooling; interrupts; reentrant code; user services; executive systems.

COMPUTER SCIENCE 431—CONTROL AND
ORGANIZATION OF INFORMATION.

(5-0-5)

Winter. Prerequisites: Computer Science 302, 306. Present text: Martin, Computer and Data Base Organization.

Information analysis and logical design of information systems and data bases; consideration of hardware, access methods, management and control functions, communicating with the data base, and integrated systems.

COMPUTER SCIENCE 490—SPECIAL TOPICS IN
COMPUTER SCIENCE.

((0-5)-(0-15)-(1-15)).

Offered by special arrangement. Prerequisite: Consent of the instructor and permission of the department head.

Individual or group readings and research under the direction of a member of the faculty.

COMPUTER SCIENCE 496-497-498—INTERNSHIP
IN COMPUTER SCIENCE.

((0-1)-(12-15)-5 each).

Offered by special arrangement. Prerequisite: Permission of the department head.

Experience, in a variety of computing environments suited to the educational and professional aspirations of the student, under the direction of a

member of the faculty and appropriate off-campus supervisory personnel. (Open to transient students only with permission of the Dean of Faculty at Armstrong and that of the appropriate official of the college from which the student comes.)

DEPARTMENT OF PSYCHOLOGY

Professor C. Stewart Worthington, Head; Associate Professors Douglass, Lane; Assistant Professors Palefsky, Patchak, and O'Higgins.

Students are advised to complete as many of the general degree requirements as possible before entering their junior years. Psychology majors should take Psychology 101-220 before the end of their sophomore years. Suggested course distributions and annual schedules are available in the department office. All students are urged to seek advisement with regard to degree requirements and scheduling.

Program for the Degree Bachelor of Arts with a Major in Psychology

	<i>Quarter Hours</i>
A. General Requirements*	65
1. English 111, 112, 211, and choice of:.....	20
English 222 or Philosophy 200, 201	
2. Mathematics 101 and choice of:	10
Mathematics 195 or 290	
3. History 114, 115 and choice of:.....	15
History 251 or 252	
4. Political Science 113	5
5. One of the following sequences:	10
Chemistry 128, 129; Physics 211, 212;	
Physical Science 121, 122	
6. Anthropology 201 or Sociology 201	5
B. Courses in Major Field	50
1. Psychology 220, 307, 308, 309, 312, 410, 411, 412	40
2. Two of the following:	10
Psychology 303, 305, 311	
C. Related Field Requirements	30
1. Biology 101, 102 and Mathematics 220	15
2. Foreign language sequence or	
computer science sequence	15
D. Electives	40-55
1. Upper division courses in anthropology, biology, chemistry,	
criminal justice, mathematics, psychology, sociology, or	
social work	15-30
2. Unspecified electives	25
E. Physical Education 103 or 108 and 117 and three	
activities courses	6
F. Regents and Exit Examinations	
TOTAL	191-206

*Certain courses may be exempted by examination with credits awarded. See "Admission" section of this *Bulletin*.

Program for Secondary School Teachers of Social Sciences (Behavioral Sciences)

	<i>Quarter Hours</i>
A. General Requirements*	71
1. English 111, 112, 211, and choice of:	20
English 222 or Philosophy 200, 201	
2. Mathematics 101 and choice of:	10
Mathematics 195 or 290	
3. History 114, 115 and choice of:	15
History 251 or 252	
4. Political Science 113	5
5. One of the following sequences:	10
Physics 211, 212; Physical Science 121, 122	
6. Anthropology 201 or Sociology 201	5
7. Physical Education 103 or 108 and 117 and three activities courses	6
B. Courses in Psychology	55
Psychology 220, 301, 303, 307, 308, 309, 311, 312, 410, 411, 412	30
C. Courses in Related Fields	30
1. Biology 101, 102 and Mathematics 220	15
2. Anthropology 300 or 450	5
3. Sociology 201 and Sociology 350 or 450	10
D. Electives	5-10
To be chosen from Psychology 405, 406; Social Work 320	
E. Professional Sequence	35
1. Education 203, 330, 440, 446, 447, 448	30
2. Special Education 205	5
F. Regents and Exit Examinations	
TOTAL	196-201

Minor Concentrations

The department offers the following minors:

The minor in *Psychology* requires 20 quarter hours of upper division work with grades of "C" or better.

The minor in *Mental Health Work* requires 25 hours: Mental Health Work 201, 202, 203, 204, and Psychology 405 or 406.

Course Offerings

Anthropology

ANTHROPOLOGY 201—MAN AND HIS CULTURE. (5-0-5)

Fall. Offered on demand.

An introduction to the study of man as a cultural animal, the development of human societies from preliterate beginnings, the rise of complex social organizations with an outline study of the major cultures developed by man.

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

ANTHROPOLOGY 300—PALEOANTHROPOLOGY. (5-0-5)

Prerequisite: Anthropology 201. Spring.

A survey of the data that illuminates the evolution of man. The major prehuman and human species, their ecology and cultures, will be discussed.

ANTHROPOLOGY 305—ETHNOLOGY OF NORTH AMERICA. (5-0-5)

Cultural areas of North America (excluding Mexico), emphasizing cultural differences related to ecological factors; a look at origins, distribution, and interrelations of native American cultures.

ANTHROPOLOGY 310—ANTHROPOLOGY OF WOMEN AND MEN. (5-0-5)

An examination of the social and cultural conditions that are the determinants and expressions of sex roles, based on cross cultural data from various cultures, ranging from foraging bands to complex society.

ANTHROPOLOGY 450—INDEPENDENT STUDY. (1-5)-0-(1-5)

By invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of the Faculty at Armstrong and the college from which the student comes.

Mental Health Work

MENTAL HEALTH WORK 101—INTRODUCTION TO MENTAL HEALTH PROBLEMS. (5-0-5)

Fall.

Survey of mental health facilities and institutions. Survey of history of mental health movement. Description of services provided, clients served, and administrative structure with emphasis on mental health agencies in Georgia.

MENTAL HEALTH WORK 201—FOUNDATIONS OF BEHAVIORAL CHANGE. (5-0-5)

Prerequisite: M.H.W. 101. Spring.

Survey of theories of personality and behavior changing techniques arising from them. Emphasis on learning theory and environmental influences. Introduction to research methodology.

MENTAL HEALTH WORK 202—FOUNDATIONS OF BEHAVIOR ASSESSMENT. (5-0-5)

Prerequisite: M.H.W. 101. Winter.

Objective observation is emphasized, accurate recording of behavioral observations; collection and use of interview data; introduction to case study methods; use of reference in assessment.

MENTAL HEALTH WORK 203-204—PRACTICUM. (5 credit hours each)

Prerequisite: Mental Health Work 101, 201, 202.

The student will work a minimum of 12 hours per week in a community agency for a period of two quarters under the supervision of a professional

employed by the agency. The student will also attend a one-hour seminar each week to discuss his agency experiences. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Psychology

PSYCHOLOGY 101—GENERAL PSYCHOLOGY. (5-0-5)

Offered each quarter.

An introduction to the vocabulary, concepts, and methods of the science of behavior. Discussion and demonstrations assist in surveying all the areas of psychology. Psychology 101 is prerequisite to all other courses in the department.

PSYCHOLOGY 220—INTRODUCTION TO PSYCHOLOGICAL RESEARCH. (4-2-5)

Prerequisite: Psychology 101.

An introduction to scientific methodology and its application to behavior analysis. Various techniques of data collection and the statistical analysis of such data are emphasized.

PSYCHOLOGY 301—EDUCATIONAL PSYCHOLOGY. (5-0-5)

Prerequisite: Psychology 101. Offered each quarter.

The application of behavioral science to the problem of learning in the classroom. Primarily for teacher preparation.

PSYCHOLOGY 303—SOCIAL PSYCHOLOGY. (5-0-5)

Prerequisite: Psychology 101.

The study of the behavior of others as determinants of the behavior of the individual. The cultural milieu and group pressures will be examined in terms of their effect on behavior.

PSYCHOLOGY 305—DEVELOPMENTAL PSYCHOLOGY. (5-0-5)

Prerequisite: Psychology 101.

A study of the origin and development of psychological processes. The effects of maturational, learning, and social variables on human behavior are examined.

PSYCHOLOGY 307—PERCEPTION. (4-2-5).

Prerequisites: Psychology 101, 220.

An experimental-theoretical approach to the nature of perception. Special attention is given to the psychological method.

PSYCHOLOGY 308—LEARNING AND MOTIVATION. (4-2-5)

Prerequisites: Psychology 101, 220.

An examination of the methodology and theory associated with the various forms of learning and their motivational concomitants.

PSYCHOLOGY 309—PHYSIOLOGICAL PSYCHOLOGY. (4-2-5)

Prerequisites: Psychology 101, Biology 101-102.

Introduction to the biological bases of behavior. The structure and function of the nervous system are studied and related to the behavior of humans and other organisms.

PSYCHOLOGY 311—THEORIES OF PERSONALITY. (5-0-5)

Prerequisite: Psychology 101.

A study of selected personality theories with emphasis on normal behavior. Attention will be given to both experimental and clinical data. The determinants of personality structure and the development of personality will be examined from divergent points of view.

PSYCHOLOGY 312—MEASUREMENT. (5-0-5)

Prerequisite: Psychology 220.

An examination of the theory of measurement. Reliability and validity techniques are discussed, using current psychological tests as examples.

PSYCHOLOGY 319—ANIMAL BEHAVIOR. (4-2-5)

Prerequisites: Psychology 101, 220.

A study of the adaptations and behaviors with which living organisms cope effectively with their environment. The laboratory will provide an introduction to animal care, training, and experimentation.

PSYCHOLOGY 320—INDUSTRIAL PSYCHOLOGY. (5-0-5)

Prerequisite: Psychology 101.

The applications of psychology to the problems of industry. Primarily for business majors.

PSYCHOLOGY 405—BEHAVIOR DISORDERS. (5-0-5)

Prerequisite: Psychology 101.

A study of the scientific and cultural bases of various conceptions of undesirable behavior. Application of principles derived from basic research will be emphasized.

PSYCHOLOGY 406—BEHAVIOR MODIFICATION. (5-0-5)

Prerequisite: Psychology 101.

A study of proven methods of generating behavioral change, their empirical foundations, and their applications in clinical, educational and social settings.

PSYCHOLOGY 410—HISTORY AND SYSTEMS OF PSYCHOLOGY. (5-0-5)

Open only to psychology majors or by invitation of the professor.

A study of the basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

PSYCHOLOGY 411—SENIOR SEMINAR (5-0-5)

Open only to senior psychology majors or by invitation of the professor.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 412—SENIOR SEMINAR.

(5-0-5)

Open only to senior psychology majors or by invitation of the professor. Spring.

A reading and discussion group which will concentrate on selected contemporary issues in psychology. Specific content will vary from year to year.

PSYCHOLOGY 450—INDEPENDENT STUDY.

(1-5)-0-(1-5)

Open only by invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

X. School of Education

Charles R. Nash, Dean

Professors Harmond, Sims, W. Stokes, Burgess, Gadsden, Newberry, Sartor, Sumner, and Ward; Associate Professors Agyekum, Blalock, Bland, Cochran, Lawson, Robinson, Stephens, M. Stokes, and Tapp; Assistant Professors Ball, Bedwell, Bianchi, Black, Clayton, Ford, Knorr, White, and Thomas; Instructor Lariscy; Teaching Associate Burns.

General Information

The School of Education consists of three departments — the Department of Elementary Education (Dr. Thelma M. Harmond, Head); the Department of Physical Education and Athletics (Dr. Roy Sims, Head); and the Department of Secondary Education (Dr. William Stokes, Head). As a result of the approval by the Department of Health, Education, and Welfare of the Georgia Plan for the Further Desegregation of the University System in early 1979, all Teacher Education programs were transferred from Savannah State College to Armstrong State College, effective September, 1979. As of that date, Savannah State College no longer offers degree programs in Teacher Education.

Degree Programs Offered

Armstrong State College is currently authorized by the Board of Regents of the University System of Georgia to offer the following baccalaureate degree programs in Teacher Education:

Bachelor of Science in Education with majors in Art Education; Early Elementary Education; Middle School Education; Health, Physical Education, and Recreation

Bachelor of Music Education

Bachelor of Arts in English, History, Political Science, Psychology (Behavioral Science) with programs for teacher certification at the secondary level

Bachelor of Science in Biology, Chemistry, Mathematical Sciences with programs for teacher certification at the secondary level

Bachelor of Science in Education with a major in Secondary Education in the teaching fields of General Science Education, French Education, Industrial Arts Education, Physics Education, Social Studies Education, Spanish Education, Trade and Industrial Education. All programs in this category have been transferred to Armstrong State College from Savannah State College. For information concerning their current status, the student should check with the Head of the Department of Secondary and Special Education or with the Dean of the School of Education.

The college also offers an Associate Library Media Specialist program which may constitute an area of concentration for elementary teachers

and an endorsement on the certificate for secondary teachers. The program is also intended to create an interest in librarianship. The courses are Library Science 310, 320, 410, and 420 (20 quarter hours credit).

All Teacher Education programs are approved by the Georgia State Department of Education. Upon verification by the College that the student has completed successfully an approved program, the student applies to the State Department of Education for the appropriate certificate.

Transfer Students — Savannah State College

Teacher Education students who transfer to Armstrong State College from Savannah State College in the program exchange being implemented as part of the State Desegregation Plan and who will be able to complete their programs by August, 1980, may elect to receive their degrees from Armstrong or Savannah State College. If the student elects to receive the degree from Savannah State College, he/she must pursue the curriculum track for the appropriate program as identified in a supplement to this *Bulletin*. Course descriptions appear in the 1978-79 edition of the *Savannah State College Bulletin and General Catalog*. If he/she elects to receive the degree from Armstrong State College, he/she must meet the Armstrong requirements for that degree. The transfer student from Savannah State College who will complete the requirements for the degree after August, 1980, must complete the appropriate Armstrong requirements. Any courses taken by the student at Savannah State College which are reasonably equivalent to courses required at Armstrong will substitute for these required courses. It is important that each student in a Teacher Education program meet with his/her assigned advisor early in the fall quarter and during each subsequent quarter to develop an approved program of studies and to make certain that he/she is meeting the requirements leading toward the appropriate degree.

Program Transfer — Transition Period

The 1979-1980 academic year and summer, 1980 will serve as the period of transition for the transfer of Teacher Education programs from Savannah State College to Armstrong State College. Effective Fall Quarter, 1980, a single curriculum track for each Teacher Education program will be in place.

General Requirements Teacher Education Programs

These requirements apply to all students in Teacher Education programs at the Early Elementary, Middle School, or Secondary levels.

Recommendation for Certificate

To be recommended for a teaching certificate, a student must complete at Armstrong State College a majority of his courses in the following areas: the professional sequence, the teaching field, and the related field.

Program Completion

A student must complete the college approved program for certification within the four years following his/her admission to the Teacher Education program. In the event that the student does not complete his program in four years, he/she must meet the requirements of the program in effect at that time.

NTE Requirement

All students completing Teacher Education programs are required to take both the Common Examinations and the appropriate Teaching Area Examination of the National Teacher Examinations. Students must submit the scores from these examinations to the School of Education before the college can verify that an approved program has been completed. Additional information about these tests can be secured from the Office of Counseling and Placement.

Academic Advisement

A student who desires to become an elementary or secondary school teacher should apply during the first quarter of residence to the School of Education for academic advisement. He should follow without deviation the approved program. Upon admission to Teacher Education, students will be assigned advisors as follows:

1. Early Elementary and Middle School education majors are assigned an advisor in the Department of Elementary Education who will assist the student in planning the total program of studies.
2. Students pursuing secondary or all level programs will be assigned an advisor in the Department of Secondary Education to assist them concerning the professional sequence courses and certification requirements. In addition, students will have an advisor in the teaching field major to approve the courses in the teaching field. Assignment of the teaching field advisor will be made by the head of the academic department offering the major. Each student *must* have his secondary teaching program approved in advance by both advisors. Special forms for this purpose are to be filed with each advisor and a copy given to the student.

Admission to Teacher Education

All students pursuing a program leading toward certification by the Georgia State Department of Education as teachers must apply for admission to the Teacher Education program at Armstrong State College. This application will normally be filed during the third quarter of the sophomore

year or, for transfer students, in the first quarter of the junior year. Application forms may be secured from the office of the Dean of the School of Education. The following criteria are used in admitting applicants to teacher education.

1. Completion of at least 60 quarter hours of college credit with a 2.50 GPA and completion of Education 203 and English 111, 112, and 211 or their equivalents with a "C" or better.
2. Satisfactory completion of the Regents Examination.
3. Competence in oral and written expression.
4. Indication of desirable attitude, character, and teaching potential.
5. Statement of good health signed by a licensed physician.

September Practicum

The purpose of the September Practicum is to provide an opportunity for future teachers (1) to learn what teachers do at the beginning of a new school team, (2) to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career, and (3) to become acquainted with the organization and curriculum of a particular school.

The September Practicum occurs during the first two weeks of the public school term (usually in late August and early September) and should be scheduled during the student's junior or senior year. No credit is given for the September Practicum, but it is a *requirement* in all of the teaching fields in the Armstrong State College Teacher Education Program.

Application for the September Practicum should be made during the first week of the Spring Quarter for a September Practicum in the forthcoming September. The student should contact the Dean of the School of Education.

Student Teaching

Student teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. The full quarter of student teaching is arranged cooperatively by the college, the participating schools, and supervising teachers. Completed applications for admission to student teaching must be submitted to the Dean of the School of Education during the first week of the quarter preceding student teaching. While student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the college and the School of Education.

A student is admitted to student teaching at the time assignment is made. While student preferences and other personal circumstances are considered, the School of Education reserves the right to exercise its discretion in placement. The student will receive a letter of assignment. Orientation to student teaching will be held during the first several days of

the quarter in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

1. Be admitted to the Teacher Education Program.
2. Have at least senior status. All teaching field course will normally have been completed.
3. Have completed the required professional sequence courses with a grade of "C" or higher. Elementary majors must make a grade of "C" or higher on all specialized content courses.
4. Have a 2.5 average on all courses attempted, and "C" or better in all courses acceptable toward the teaching field, concentration, and related elective.
5. Have satisfactorily completed the related professional laboratory experiences including the "September Practicum."
6. Have satisfactorily completed the Media Competency Examination.
7. Be recommended by two academic professors and two members of the appropriate Education department, one of whom must be the student's advisor.
8. Be approved by the Dean of the School of Education.
9. Students in elementary education must have completed at the least four of the specialized content courses, including the Teaching of Reading with grades of "C" or better.

A student will not be permitted to take additional courses during student teaching. Student teachers are not permitted to teach in a school in which their children are enrolled.

Early Elementary, Middle School Education
Program for the Degree
Bachelor of Science in Education with a Major in
Early Elementary Education

	<i>Quarter Hours</i>
A. General Requirements*	81
1. English 111, 112, 211	15
2. Choice of Art 200, 271, 272, 273; Music 200; Philosophy 200, 201; or English 222	5
3. Drama/Speech 228	5
4. Sociology 201 or Anthropology 201	5
5. Psychology 101	5
6. History 114, 115	10
7. Political Science 113 and History 251 or 252	10
8. Laboratory Science	10
9. Mathematics 101 and choice of: Mathematics 103, 195, 220, 290	10
10. Physical Education 103 or 108 and 117 and three activities courses	6
B. Electives	12
C. Specialized Courses	53
1. Art 320, Mathematic 391, Music 320, Physical Education 320	18
2. Education 339, 340, 425, 426, 434	25

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

	<i>Quarter Hours</i>
3. Two of the following:	10
Education 308, 309, 310, 315; English 331	
D. Professional Sequence Courses	45
1. Education 203, 205, 301, 307, 430, 446, 447, 448	40
2. Psychology 301	5
E. Regents and Exit Examinations	
TOTAL	191

Program for the Degree Bachelor of Science in Education with a Major in Middle School Education

	<i>Quarter Hours</i>
A. General Requirements*	76
1. English 111, 112, 211	15
2. Choice of: Art 200, 271, 272, 273;	5
Music 200; Philosophy 200, 201; or English 222	
3. Sociology 201 or Anthropology 201	5
4. Psychology 101	5
5. History 114, 115	10
6. Political Science 113 and History 251 or 252	10
7. Laboratory Science	10
8. Mathematics 101 and choice of 103, 195, 220, 290	10
9. Physical Education 103 or 108 and 117 and three activity courses	6
B. Electives	5-7
C. Content Courses	40
1. Select one 20 quarter hour concentration from:	20
Language Arts or Mathematics or Social Studies or Science	
2. Select another 20 quarter hour concentration from:	20
Art or Language Arts or Mathematics or Music or Physical Education or Science or Social Studies	
D. Specialized Courses	23-25
1. Education 425; Mathematics 391	10
2. Select three from the following:	13-15
Art 320; Education 339, 340, 426, 434; English 331; Music 320; Physical Education 320	
E. Professional Sequence	45
1. Education 203, 205, 301, 302, 431, 446, 447, 448	40
2. Psychology 301	5
F. Regents and Exit Examinations	
TOTAL	191-193

Secondary Education

Please see program outlines in the appropriate departmental listings for certification programs in Biology, Chemistry, English, History, Mathematics, Music, Political Science, Psychology (Behavioral Science).

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

Course Offerings

Education

EDUCATION 203—ORIENTATION TO TEACHING. (5-0-5)

Each quarter.

The study of the status of education and of teaching as a profession. The student engages in directed self-study and plans for the achievement of his professional goals.

EDUCATION 205—INTRODUCTION TO EXCEPTIONAL CHILDREN. (5-0-5)

Fall, Winter, Spring.

An orientation to exceptional children with emphasis on educational implications and rehabilitation requirements. Includes classroom discussion of and visitations to facilities for training.

EDUCATION 301—CHILD DEVELOPMENT AND THE EDUCATIVE PROCESS. (2-8-5)

Fall and Spring. Prerequisite: Education 203.

A study of the developmental learning characteristics of pupils in relation to ways in which the school environment may elicit further development. Students attend seminars on campus and serve as junior professionals in selected elementary schools. Enrollment limited to 16 students per section.

EDUCATION 302—CHILD GROWTH AND DEVELOPMENT IN THE MIDDLE SCHOOL YEARS (4-8). (5-0-5)

Winter.

The study of the social, emotional, and developmental characteristics of the child and how these factors affect his/her performance during the middle school years.

EDUCATION 307—GROWTH AND DEVELOPMENT OF THE YOUNG CHILD. (5-0-5)

Fall. Prerequisite: Admission to Teacher Education or permission of instructor.

The study of inter-relatedness of the aspects of growth and development; physical-motor, social-emotional, and intellectual cognitive for the young child. A unification of theory and research utilizing directed observations and a study of various measurements appropriate with young children will be included.

EDUCATION 308—CHILD AND HIS FAMILY. (5-0-5)

Winter. Prerequisite: Admission to Teacher Education or permission of instructor.

The study of children including the parent-child, parent-teacher relationships and cultural factors which affect children and their families. Techniques for development of parent involvement in the total developmental process.

EDUCATION 309—MATERIALS AND METHODS OF
EARLY CHILDHOOD EDUCATION.

(5-0-5)

Spring. Prerequisite: Admission to Teacher Education or permission of instructor.

The study of curricular needs, materials and techniques appropriate for use with young children.

EDUCATION 310—PRACTICUM IN NURSERY-
KINDERGARTEN EDUCATION.

(2-8-5)

Offered on demand. Prerequisite or corequisite: Education 309.

Provides opportunities for directed experience with children under six. Students attend seminars and work in selected preschool programs.

EDUCATION 315—NORMAL SPEECH AND
LANGUAGE DEVELOPMENT.

(5-0-5)

Offered on demand.

The study of normal language development. This course traces developmental scales of speech and language growth across various age levels and includes the relationship between speech and language. Observations.

EDUCATION 330—SECONDARY SCHOOL CURRICULUM
AND METHODS. GENERAL.

(3-6-5)

Winter, Spring, and Summer. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school curriculum and methods. Detailed study is given to techniques of systematic observation, preparation of behavioral objectives, analysis of critical incidents, production of media materials, practices of classroom control, and examination of instruction models. Directed practicum.

EDUCATION 339—ELEMENTARY SCHOOL LANGUAGE ARTS
METHODS AND CURRICULUM.

(4-3-5)

Fall. Prerequisite: Admission to Teacher Education.

This course is designed to offer the student the opportunity to explore methods, content, and materials used in teaching the skills of communication to children.

EDUCATION 340—ELEMENTARY SCHOOL SOCIAL STUDIES
METHODS AND CURRICULUM.

(4-3-5)

Spring. Prerequisite: Admission to Teacher Education.

This course is designed to prepare preservice teachers to teach children fundamental social studies skills and processes.

EDUCATION 425—THE TEACHING OF READING.

(5-0-5)

Winter, Summer. Prerequisites: Education 203 and Admission to Teacher Education, or permission of instructor.

This course is designed to study the developmental reading program. Emphasis will be placed on reading skills, approaches, techniques, materials and evaluation for classroom use.

EDUCATION 426—PRACTICUM IN INDIVIDUAL
READING INSTRUCTION.

(2-8-5)

Offered on demand. Prerequisite: Education 425.

This course is designed to provide prospective teachers with directed practice in the teaching of reading. Special emphasis will be placed upon diagnosis and teaching of needed reading skills. Students will be required to tutor one remedial reader.

EDUCATION 430—CURRICULUM AND METHODS (K-4) (5-0-5)

Winter, Summer. Prerequisites: Education 301 and Psychology 301, or permission of the instructor.

The study of existing administrative organizations and instructional programs, evaluation procedures, and experiences in curriculum design at the primary level. The study and development of teaching methods, materials, and equipment. Directed field experiences.

EDUCATION 431—ORGANIZATION AND ADMINISTRATION
OF THE MIDDLE SCHOOL (4-8). (5-0-5)

Winter, Summer. Prerequisites: Education 301 and Psychology 301, or permission of the instructor.

The study of existing administrative organizations and instructional programs, evaluation procedures, and experiences in curriculum design at the middle school level. The study and development of teaching methods, materials, and equipment. Directed field experiences.

EDUCATION 434—METHODS AND CURRICULUM OF
ELEMENTARY SCIENCE. (5-0-5)

Spring. Prerequisite: Admission to Teacher Education.

Provides prospective teachers with a better concept of the meaning of science, processes for translating this concept into classroom practice and a variety of ways for helping children learn science, with special emphasis on the kind of inquiry that engages them in the process of discovery.

EDUCATION 439—SECONDARY SCHOOL CURRICULUM
AND METHODS, ENGLISH. (5-0-5)

Offered Fall of even years. Prerequisite: Psychology 301 and admission to Teacher Education.

The study of secondary school English curriculum with emphasis upon materials and methods of teaching English. Directed observation.

EDUCATION 440—SECONDARY SCHOOL CURRICULUM
AND METHODS, SOCIAL SCIENCE. (5-0-5)

Fall, Spring. Prerequisites: Admission to Teacher Education, Psychology 301.

The study of secondary school social science curriculum with emphasis upon materials and methods of teaching social science. Directed observation.

EDUCATION 441—SECONDARY SCHOOL CURRICULUM
AND METHODS, MATHEMATICS. (5-0-5)

Offered on demand. Prerequisites: Mathematics 260.

The study of secondary school mathematics curriculum with emphasis upon materials and methods of teaching mathematics. Directed observations.

EDUCATION 443—METHODS AND CURRICULUM IN HEALTH, PHYSICAL AND RECREATION EDUCATION. (5-0-5)

Offered on demand. Prerequisites: Admission to Teacher Education, Psychology 301, Education 330.

The study of secondary school Health, Physical and Recreation Education curriculum with emphasis upon materials and methods of teaching Health, Physical and Recreation Education. Directed observation.

EDUCATION 444—SECONDARY SCHOOL CURRICULUM AND METHODS, SCIENCE. (5-0-5)

Offered Spring of even years. Prerequisites: Admission to Teacher Education, Psychology 301, and Education 330.

The study of secondary school science curriculum with emphasis upon materials and methods of teaching science. Directed observations.

EDUCATION 446-447-448.—STUDENT TEACHING. (15 quarter hours)

Fall, Winter, Spring. Prerequisite: See "General Requirements: Teacher Education Programs."

Students are placed in selected schools for one quarter as full time student staff members. No additional credit hours may be earned while student teaching. Classroom experiences and other staff responsibilities are jointly supervised by the college staff, supervising teachers, and principals in the selected schools. Open to transient students only with permission of the Dean of the Faculty at Armstrong and of the college from which the student comes.

Library Science

LIBRARY SCIENCE 110—INTRODUCTION TO LIBRARY RESEARCH AND MATERIALS. (1-0-1)

An orientation to the Lane Library, library terminology, general research methods, and major library aids, such as the card catalog, classification and subject heading guides, general periodical and newspaper indexes, encyclopedias, dictionaries, almanacs, handbooks and yearbooks. This is a survey course to acquaint the student with a library's potential to answer his information needs as a student, civilian, researcher, or business person.

LIBRARY SCIENCE 111—SPECIAL PERIODICALS AND BIBLIOGRAPHIES. (1-0-1)

A self-instructional survey of special periodical and book indexes as well as atlases; gazettters; biographical tools; reviews and criticisms; and national, state, local, and selected international and foreign documents, guides and tools.

LIBRARY SCIENCE 310—REFERENCE MATERIALS. (5-0-5)

Study and evaluation of basic reference sources for effective reference service in elementary and secondary schools. Designed to give the student a working knowledge of a library as an information and resource center.

LIBRARY SCIENCE 311—PRINCIPLES OF LIBRARY RESEARCH AND MATERIALS. (1-0-1)

A study of general research methodology and tools. The methodology aspect will focus on two main areas of concern, (1) the question-transfer and negotiation process, and (2) the ability to recognize ready reference, bibliographic and evaluative reference/research questions. The study of tools will focus on the recognition and application of the proper sources for solution. A research project approved by the professor is required as partial requirement for completion of course.

LIBRARY SCIENCE 312—INFORMATION RESOURCES IN THE HUMANITIES. (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the Humanities.

LIBRARY SCIENCE 313—INFORMATION RESOURCES IN THE SOCIAL SCIENCES. (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the Social Sciences.

LIBRARY SCIENCE 314—INFORMATION RESOURCES IN THE SCIENCES. (1-0-1)

Extensive study of basic and advanced reference materials and search techniques in the Sciences.

LIBRARY SCIENCE 320—CATALOGING AND CLASSIFICATION OF SCHOOL LIBRARY MATERIALS. (5-0-5)

Introduction to the basic principles of cataloging and classification of books and audiovisual materials through the use of Dewey and Library of Congress classification. The card catalog, shelf list, physical procession, and procedure for ordering and using printed cards will be studied.

LIBRARY SCIENCE 410—MATERIALS SELECTION. (5-0-5)
Offered on demand.

Selection and evaluation of books and non-book materials; emphasis on those which meet curriculum needs and interest, and which represent various levels of difficulty; ways of stimulating their use. Attention will be given to selection aids and reading guidance.

LIBRARY SCIENCE 420—SCHOOL LIBRARY ADMINISTRATION AND ORGANIZATION. (5-0-5)

Offered on demand.

Basic organization of books, non-book materials, and services for effective use in school libraries. Administering the budget, purchase of materials, personnel, circulation, inventory, weeding, and instruction in the use of library materials will be considered. Examination of the improvement of instruction by correlating library use with school curricula.

DEPARTMENT OF PHYSICAL EDUCATION AND ATHLETICS

Professor Roy J. Sims, Head; Associate Professor Tapp; Assistant Professors Bedwell, Bianchi, Ford, Knorr; Instructor Lariscy; Teaching Associates Burns and Roberts.

During the freshman year, all students should take Physical Education 117 (Basic Health) and 103 or 108 (Swimming). During the sophomore year, students may elect any three Physical Education activity courses with the last two numbers being between 01 to 09. Students unable to participate in the regular program should plan an alternate program with the Head of the Department of Physical Education. For other department regulations see "Physical Education Program" in section VII of this Bulletin.

Physical Education majors are urged to complete their Core Curriculum requirements before entering their junior years.

Program for the Degree Bachelor of Science in Education with a Major in Health, Physical Education and Recreation

	<i>Quarter Hours</i>
A. General Requirements*	75
1. English 111, 112, 211, and one course selected from:	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. History 114, 115	10
3. History 251 or 252	5
4. Political Science 113	5
5. One course selected from:	5
Sociology 201, Economics 201, Anthropology 201	
6. Laboratory science sequence	10
7. Mathematics 101 and Mathematics 220 or 290	10
8. Psychology 101 and Drama/Speech 228	10
B. Courses in Major Field	71
1. Physical Education 103 or 108; 106; 109; 205; 207	
or W.S.I.; and seven courses selected from:	12
Physical Education 100, 101, 102, 104, 105,	
107, 108, 200, 201, 202, 204, 206, 208, 209	
2. One of the following required:	2
Physical Education 212, 213, 214	
3. Physical Education 117, 210, 211, 228, 229, 312,	
314, 315, 317, 318, 321, 322, 330, 413, 420, 421	57
C. Approved Electives	8
D. Professional Sequence	40
1. Education 203, 330, 443, 446, 447, 448	30
2. Psychology 301 and Special Education 205	10
E. Regents and Exit Examinations	
TOTAL	194

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

Course Offerings

PHYSICAL EDUCATION 100—BEGINNING WEIGHT TRAINING.

(0-2-1)

Fall.

Emphasis on developing physical fitness through a variety of fundamental weight training exercises. Introduction of mechanical principles and techniques necessary for the understanding of weight training programs. Only one of P.E. 100 or P.E. 204 may count as an activity course toward the six hours of required physical education.

PHYSICAL EDUCATION 101—CONDITIONING.

(0-2-1)

Fall.

Consists of calisthenics, stunts, tumbling lifts and carries, road work, dual combatives and games.

PHYSICAL EDUCATION 102—TEAM SPORTS.

(0-2-1)

Winter.

Consists of two of the following sports: basketball, volleyball and softball.

*PHYSICAL EDUCATION 103—ELEMENTARY SWIMMING.(0-2-1)

Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108).

Beginning swimming strokes, skills, and knowledge pertaining to safety in, on, or about water. This course or its equivalent required of all students.

PHYSICAL EDUCATION 104—BOWLING.

(0-2-1)

Fall, Winter, Spring.

Basic skills in bowling.

PHYSICAL EDUCATION 105—BADMINTON.

(0-2-1)

Fall, Winter, Spring.

Basic skills in badminton.

PHYSICAL EDUCATION 106—TUMBLING AND GYMNASTICS.

(0-2-1)

Fall, Summer.

Fundamentals and practice in beginning tumbling and gymnastic apparatus. Required of Physical Education majors.

PHYSICAL EDUCATION 107—TRAMPOLINE.

(0-2-1)

Winter.

The teaching of the proper care and use of the trampoline. Under strict supervision, the student learns to perform the following skills: seat drop,

*Either P.E. 103 or P.E. 108 is required for all students. Students may register for the course for which they feel qualified without taking a swimming test. The instructor of that course will administer the swimming test, and any student enrolled in the improper course will be required to change to the proper course. Any student who holds a valid senior life-saving certificate and/or a valid water safety instructor's certificate and/or passes the Armstrong swimming test may be exempted from the required swimming courses.

knee drop, front drop, back drop, pull over, cradle, turntable, swivel hips, spotting, and somersaults.

***PHYSICAL EDUCATION 108—INTERMEDIATE SWIMMING.**

(0-2-1)

Fall, Winter, Spring. (P.E. 202 or the American Red Cross WSI course may be substituted for P.E. 103 or 108.)

Four basic strokes, skills endurance and knowledge pertaining to safety in, on, or about water. Required, if advised by Physical Education Department.

PHYSICAL EDUCATION 109—TUMBLING AND GYMNASTICS II.

(0-2-1)

Winter. Prerequisite: P.E. 106 or permission of instructor.

Continuation of P.E. 106 with additional practice of tumbling and gymnastic apparatus. Required of majors.

PHYSICAL EDUCATION 115—OFFICIATING OF FOOTBALL.

(2-2-2)

Fall.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit. Students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 116—OFFICIATING OF BASKETBALL.

(2-2-2)

Winter.

Consists of a study of rules, rules interpretation, and actual experience in officiating in class games, intramural games, approved community recreation games, and public school games. Elective credit, students must have permission of the department head or course instructor to enroll.

PHYSICAL EDUCATION 117—BASIC HEALTH.

(2-0-2)

Fall, Winter, Spring.

A basic course in health education with emphasis on personal health.

PHYSICAL EDUCATION 200—HANDBALL AND PADDLEBALL.

(0-2-1)

Winter.

Basic instruction in handball and paddleball activities.

PHYSICAL EDUCATION 201—ELEMENTARY TENNIS.

(0-2-1)

Fall, Winter, Spring.

Instruction in class organization and methods of teaching skill in tennis.

*Either P.E. 103 or P.E. 108 is required for all students. Students may register for the course for which they feel qualified without taking a swimming test. The instructor of that course will administer the swimming test, and any student enrolled in the improper course will be required to change to the proper course. Any student who holds a valid senior life-saving certificate and/or a valid water safety instructor's certificate and/or passes the Armstrong swimming test may be exempted from the required swimming courses.

PHYSICAL EDUCATION 202—SENIOR LIFE SAVING
COURSE IN SWIMMING. (0-2-1)

Spring.

The American Red Cross Senior Life Saving Course. (May be substituted for Physical Education 103 or 108.)

PHYSICAL EDUCATION 204—ADVANCED
WEIGHT TRAINING. (0-2-1)

Spring. Prerequisite: P.E. 100 or permission of instructor.

Emphasis on continued development of physical fitness through a variety of advanced weight training exercises. Improvement of maximal muscular strength and endurance in the main muscle groups of the body through progressive resistance exercises. Only one of P.E. 100 or P.E. 204 may count as an activity course toward the six hours of required physical education.

PHYSICAL EDUCATION 205—FOLK, SQUARE,
SOCIAL DANCING. (0-2-1)

Winter.

Instruction and practice in all forms of folk, square, and social dancing with emphasis on teaching techniques. Required of Physical Education majors.

PHYSICAL EDUCATION 206—BEGINNING
MODERN DANCE. (0-2-1)

Winter.

Basic interpretative dancing.

PHYSICAL EDUCATION 207—SWIMMING METHODS
AND TECHNIQUES. (0-2-1)

Winter, Spring. Prerequisite: P.E. 108 or equivalent.

Methods and techniques of teaching beginning swimming skills. Required of majors not completing the Water Safety Instructor's Course (offered by the American Red Cross.)

PHYSICAL EDUCATION 208—GOLF. (0-2-1)

Fall, Winter, Spring.

Basic techniques and instruction for the beginning golfer.

PHYSICAL EDUCATION 209—INTERMEDIATE
MODERN DANCE. (0-2-1)

Spring. Prerequisite: P.E. 206 or permission of the instructor.

A continuation of Physical Education 206 with emphasis on dynamics, composition, and choreography.

PHYSICAL EDUCATION 210—PREVENTION AND
TREATMENT OF ATHLETIC INJURIES. (2-1-2)

Spring.

Theory and practice of caring for and preventing injuries relating to a large variety of sports. Students will be required to assist in laboratory experiences with treating and preventive training through the athletic, intramural or physical education programs. Required of majors.

PHYSICAL EDUCATION 211—SAFETY AND FIRST AID. (3-0-2)

Fall, Winter, Spring.

The American Red Cross Standard and Advanced course in First Aid. Required of majors.

PHYSICAL EDUCATION 212—COACHING FOOTBALL. (3-0-2)

Fall.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors.

PHYSICAL EDUCATION 213—COACHING BASKETBALL. (3-0-2)

Winter.

Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. One of the coaching courses is required of majors.

PHYSICAL EDUCATION 228—STRUCTURE AND FUNCTION OF THE HUMAN BODY I. (3-4-5)

Fall.

A study of the skeletal and muscle systems of the human body. Credit may not be applied toward the core natural science requirement. Required of majors.

PHYSICAL EDUCATION 229—STRUCTURE AND FUNCTION OF THE HUMAN BODY II. (3-4-5)

Winter. Prerequisite: P.E. 228.

A continuation of P.E. 228 with emphasis on certain human organ systems such as circulatory, respiratory, nervous and digestive. Credit may not be applied toward the core natural science requirement. Required of majors.

PHYSICAL EDUCATION 312—MEASUREMENT AND EVALUATION IN HEALTH, PHYSICAL AND RECREATION EDUCATION. (5-0-5)

Fall.

Lectures, laboratory and field experience in the development, evaluation and application of tests in health and physical education. Required of majors.

PHYSICAL EDUCATION 314—SKILL TECHNIQUES. (3-0-3)

Fall. Prerequisite: the student must have completed courses in at least three of the sports listed or must have permission of the instructor to enroll.

Practice in teaching methods and techniques in individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf. Required of majors.

PHYSICAL EDUCATION 315—SKILL TECHNIQUES. (0-2-2)

Fall, Winter, Spring. Prerequisite: P.E. 314.

Laboratory experiences consisting of assisting and teaching individual and dual sports such as: gymnastics, trampoline, badminton, tennis, golf. Open to majors only. Required of majors.

PHYSICAL EDUCATION 317—METHODS AND CURRICULUM
OF HEALTH EDUCATION IN THE ELEMENTARY AND
SECONDARY SCHOOLS. (3-0-3)

Spring.

Selection of health content in school curriculum, preparation and presentation of health topics. Teaching method is emphasized and student participation stressed. Required of majors.

PHYSICAL EDUCATION 318—INTRAMURAL AND
RECREATIONAL ACTIVITIES. (3-0-3)

Fall, Winter, Spring.

Organization and administration of intramural sports with emphasis on secondary and elementary school programs. The study of organization of recreation programs with emphasis on recreation programs in the community through city and county sponsored agencies, YMCA, Boys Club, etc. Required of majors.

PHYSICAL EDUCATION 320—HEALTH AND PHYSICAL
EDUCATION FOR THE ELEMENTARY
SCHOOL TEACHER. (3-0-3)

Winter, Summer.

Theory and current practice in the teaching of health and physical education at the elementary school level. Designed to meet the requirement for elementary certification.

PHYSICAL EDUCATION 321—MOVEMENT EDUCATION. (3-0-3)

Spring.

Designed to equip the student to teach elementary physical education via the use of "movement education," i.e. the guided discovery method of teaching the concepts of Space Awareness, Body Awareness, Quality of Body Movement and Relationships. Required of majors.

PHYSICAL EDUCATION 322—TECHNIQUES OF TEACHING
AND OFFICIATING TEAM SPORTS. (3-0-2)

Spring. Prerequisite: P.E. 102 or permission of the instructor.

Analysis of skills involved with teaching and officiating team sports. Students will receive practice in teaching skills and officiating in class in basketball, volleyball, soccer and softball. Required of majors.

PHYSICAL EDUCATION 330—KINESIOLOGY AND
PHYSIOLOGY OF EXERCISE. (3-4-5)

Spring. Prerequisite: P.E. 228.

Mechanical analysis and the functions of the body in muscular work. Athletic movements, fatigue, training and fitness are considered. Required of majors.

PHYSICAL EDUCATION 413—SPECIAL TOPICS
IN PHYSICAL EDUCATION (5-0-5)

Fall, Winter, Spring. Prerequisite: Education 443.

Research methods in health and physical education. Allows students an opportunity for in-depth pursuit into areas of their interests. Open to majors only. Required of majors.

PHYSICAL EDUCATION 420—HISTORY, PRINCIPLES AND
PHILOSOPHY OF PHYSICAL EDUCATION. (5-0-5)

Winter.

Historical and scientific background of the practices in health and physical education. Required of majors.

PHYSICAL EDUCATION 421—ORGANIZATION AND
ADMINISTRATION OF PHYSICAL EDUCATION
AND ATHLETICS. (5-0-5)

Spring. Prerequisite: Education 443.

Practice and policies in establishing, administering, and evaluating physical education and athletic programs. Such experiences as curriculum planning and selection, care and maintenance of equipment are included in this course. Open to majors only. Required of majors.

XI. School of Human Services

James F. Repella, Dean

The School of Human Services believes that the development of the student as an individual is a primary objective of a college education. The central role and function of the School of Human Services is to provide an appropriate academic, intellectual, and professional milieu to develop the skills required for a high level of professional competence. This includes the development of intellectual and physical competencies; personal values and beliefs; leadership abilities; a sense of integrity, self-worth, and self-reliance; and a sense of responsibility toward the community and society. To achieve these objectives, the goals of the School are:

- To prepare graduates who possess, at the appropriate level, the competencies required in their professional endeavors, and whose practice is compatible with the ethics of democratic humanistic philosophy;

- To prepare an educational environment which will motivate the student to develop a life-long commitment to learning and service; stimulate creativity, flexibility, and independence of thought and judgement within acceptable professional and humanistic constraints; and foster appreciation for scholarship and critical reasoning;

- To develop the leadership abilities of students so they may function effectively as leaders both in their professions and in their communities;

- To anticipate and to identify problems and needs and to encourage change and open-mindedness in finding solutions through appropriate research;

- To develop the School as a planning and resource center for professional growth and community service;

- To complement other Schools of the College by providing programs of a uniquely professional character which enhance the educational opportunities of Armstrong State College.

The School of Human Services includes the Departments of Associate Degree Nursing, Baccalaureate Degree Nursing, Criminal Justice, Dental Hygiene, and the degree programs in Medical Record Technology, Respiratory Therapy, and Social Work. The School cooperates with the Department of Biology in the offering of a degree program in Medical Technology. The following degree programs are offered within the School:

- Associate in Science in Criminal Justice (with a concentration in Corrections or in Law Enforcement)

- Associate in Science in Dental Hygiene

- Associate in Science in Medical Record Technology

- Associate in Science in Nursing

- Associate in Science in Respiratory Therapy

- Bachelor of Science in Criminal Justice

Bachelor of Science in Dental Hygiene Education

Bachelor of Science in Nursing

Bachelor of Arts in Social Work

The School also cooperates with the Department of Biology in the offering of a Bachelor of Science degree program in Medical Technology.

The student may combine with a major field of study one of the following minor concentrations offered within the School of Human Services: Criminal Justice and Social Work.

DEPARTMENT OF ASSOCIATE DEGREE NURSING

Assistant Professor Marilyn M. Buck, Acting Head; Assistant Professors Keller, Massey, Miller, Silcox, D. Smith, P. Smith; Instructors Callaway, Frasier; Part-Time Instructors Dutko, Kluttz, Mathews, Stodghill; Degree Program Assistant Pingel.

Admission Requirements

For admission requirements for the Associate in Science degree program in Nursing, refer to the section on "Admissions" in this *Bulletin*.

Associate in Science in Nursing

The Associate in Science degree program in Nursing provides the student with the opportunity to obtain a general education and to study nursing at the college level. The program is approved by The Georgia Board of Nursing and is fully accredited by The National League for Nursing (NLN). Graduates are eligible to take the State Board Examination for licensure to practice as Registered Nurses.

Student Nurses participate in nursing laboratory experiences at local hospitals and other community agencies and are responsible for providing their own transportation.

For progression through the Nursing Program, the following must be maintained:

1. Natural science courses (Chemistry 201, Zoology 208, 209, Biology 210)
 - a. A passing grade in each course ("D" or better) that is a prerequisite for the subsequent Nursing course.
 - b. A "C" or better in at least two of these courses.
 - c. A student may repeat only one of these courses.
2. Nursing courses
 - a. A "C" or better in each Nursing course that is a prerequisite for the subsequent Nursing course.
 - b. A student may repeat a given Nursing course only one time.
 - c. A student may repeat only one Nursing course.
3. The maintenance of an overall grade-point average of 2.0 is desirable throughout the Nursing Program. When a student first falls below

the adjusted GPA* required for the respective accumulation of quarter hours**, the student will be placed on academic warning. If the student's GPA is not raised to the required adjusted GPA* the next quarter, the student will be dismissed from the program.

<i>Accumulated Quarter Hours**</i>	<i>Required Adjusted GPA*</i>
0-15	1.5
16-30	1.75
31-45	2.0
46 and over	2.0

TO MEET CONTRACTUAL OBLIGATIONS WITH THE COOPERATING CLINICAL AGENCIES, THE DEPARTMENT REQUIRES STUDENTS TO SUBMIT A COMPLETED HEALTH HISTORY FORM AND EVIDENCE OF NURSING LIABILITY INSURANCE PRIOR TO PARTICIPATION IN CLINICAL PRACTICUMS.

Program for the Degree Associate in Science in Nursing*

	<i>Quarter Hours</i>
A. General Requirements	53
1. English 111, 112	10
2. Zoology 208, 209	10
3. Biology 210 and Chemistry 201	10
4. Psychology 101	5
5. Political Science 113	5
6. History 251 or 252	5
7. Elective	5
8. Physical Education 117 and one activity course or three activities courses	3
B. Courses in Major Field	51
Nursing 100, 101, 102, 103, 104, 201, 202, 206	
C. Regents and Exit Examinations	
TOTAL	104

Course Offerings

**NURSING 100 AND 100-L—FUNDAMENTALS OF NURSING.

(2-6-5)

Prerequisite: Admission to the Nursing program. Eligibility for Eng. 111 and Math 101. Pre- or Corequisite Nursing 104 and Zoology 208. Fall.

This course is designed to provide the student with learning opportunities for the understanding of basic needs of man. Emphasis is placed on understanding of self and the client. Assessment of needs, implementation of fundamental skills, and evaluation of action are inherent throughout the course.

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

**May be exempted by examination with credit awarded. Students must be admitted to the program before examinations are allowed.

****NURSING 101 AND 101-L—FUNDAMENTALS OF NURSING.**

(2-6-5)

Prerequisites: Nursing 104, Nursing 100, Zoology 208. Pre- or corequisite: Chemistry 201 or Zoology 209. Winter, Spring.

A continuation of Nursing 100. Needs of clients resulting from common stressors are emphasized. Skills of technical and interpersonal intervention are applied to assist the client to increase his adaptive potential.

NURSING 102—MATERNAL-INFANT HEALTH.

(2-6-5)

Prerequisites: Nursing 100, Nursing 104, Zoology 208. Pre- or corequisite: Nursing 101, Chemistry 201 or Zoology 209. Winter, Spring.

This course uses an individualized approach to assist the student to utilize the nursing process in helping the expectant family to maintain or improve their adaptation to the stress of a new member. Laboratory experiences are designed to give the student opportunity to develop and practice nursing skills related to maternal and infant health.

NURSING 103—PSYCHIATRIC-MENTAL HEALTH NURSING.

(2-6-5)

Prerequisites: Nursing 104, Nursing 100, Zoology 208. Pre- or corequisite: Psychology 101, Chemistry 201, or Zoology 209. Winter, Spring.

This course focuses on the development of self-awareness and on the therapeutic use of self in assisting man to maintain or regain mental health. The client with problems of adaptation is considered not only as an individual but also as a member of a family within a community.

****NURSING 104—INTRODUCTION TO NURSING.**

(3-0-3)

Prerequisite: Permission of the Department. Eligibility for English 111 and Math 101. Fall.

This course introduces the student to nursing as a profession, including history, legal aspects, professional organizations and current trends in education and practice. The course also includes foundational concepts concerning man and health within the stress-adaptation continuum. An integral part of the course is the student's development of an approach to learning in a guided independent manner.

NURSING 201 AND 201-L-NURSING OF ADULTS AND CHILDREN I.

(4-8-8)

Prerequisites: Nursing 100, 101, 102, 103, 104 and Zoology 208, Zoology 209 and Chemistry 201.

Nursing 201 builds upon the concepts of interaction, oxygenation, inflammation and immunity and perception and coordination. Background knowledge relating to these concepts is utilized and incorporated in the nursing care of the ill adult and child. Learning experiences are directed toward the care of clients with uncomplicated, commonly occurring stressors which exemplify these concepts. The learner uses the nursing process in providing nursing care to ill clients.

NURSING 202 AND 202-L—NURSING OF ADULTS AND CHILDREN II.

(4-8-8)

Prerequisite: Nursing 201. Pre- or corequisite: Biology 210. Winter.

Nursing 202 is the second of three quarters study of the client experiencing a moderate degree of stress. The concepts of cell growth and metabolism are added to the foundation built in Nursing 201 and the student learns to utilize the nursing process for ill adults and children undergoing stress in increasingly complex situations.

NURSING 206 AND 206-L—ADVANCED NURSING.

(8-16-12)

Prerequisite: Nursing 202. Spring.

Nursing 206 is the third of three quarters study of the physically ill client. Emphasis is placed on utilization of the nursing process for adults and children having a multiplicity of needs. Under supervision, the student develops beginning skills in the direction and guidance of other health workers in selected aspects of client care. Assigned and self-directed learning experiences serve as the major vehicle by which the student can bridge the gap between the role of student and that of practitioner.

DEPARTMENT OF BACCALAUREATE NURSING

Associate Professor Martha A. Coleman, Acting Head; Associate Professor Hall; Assistant Professor Bell, Levett, Sullivan, Williamson; Degree Program Assistant Pingel.

Admission Requirements

For admission requirements for the Bachelor of Science degree program in Nursing, refer to the section on "Admissions" in this *Bulletin*.

All students are required to provide their own transportation to clinical laboratory experiences which are conducted in a variety of local community agencies.

TO MEET CONTRACTURAL OBLIGATIONS WITH THE COOPERATING CLINICAL AGENCIES, THE DEPARTMENT REQUIRES STUDENTS TO SUBMIT A COMPLETE HEALTH HISTORY FORM AND EVIDENCE OF NURSING LIABILITY INSURANCE PRIOR TO PARTICIPATION IN CLINICAL PRACTICUMS.

Progression Requirements

For progression through the generic Bachelor of Science Nursing program, the following must be maintained:

1. A "C" or better must be earned in each pre-professional course. No more than one repeat grade will be acceptable.
2. A "C" or better in each nursing course. No more than one nursing course may be repeated and a "C" or better must be earned at that time to remain in the program.

3. A nursing course in which the student makes a "D" or "F" must be repeated at its next offering. The course may be taken concurrently with a non-sequential course.
4. An overall grade-point-average (GPA) of 2.0 is required to remain in the nursing program.

Attendance Regulation

A student must matriculate each quarter, excluding Summer Quarter, to remain in the program. If, because of illness or other extenuating circumstances, the student needs to be away from school for a quarter, the student must seek formal approval from the Department Head for such an absence. If such approval is not sought and granted, the student will be dropped from active status and must reapply for admission to the Nursing Major before continuing in the program.

Courses at Another Institution

The Department Head's approval is required if credit for courses taken at another institution is to be accepted for the Nursing degree. The taking of courses at another institution concurrently with the taking of courses at Armstrong must be approved by the Vice President of the College if credit for the courses taken at another institution is to be accepted for the Nursing degree.

Program for the Degree Bachelor of Science in Nursing

	<i>Quarter Hours</i>
A. General Requirements (Pre-Nursing)*	49
1. English 111, 112	10
2. History 114, 115; Political Science 113	15
3. Psychology 101	5
4. Physical Education 103 or 108; 117; and one activity course	4
5. Mathematics 101	5
6. Chemistry 121,122	10
B. Pre-Professional	17
1. Zoology 208, 209	10
2. Biology 210	5
3. BSN 202	2
4. Chemistry 121,122 (see above)	
(Some of the above courses may be exempted by examination with credit awarded. Students must be admitted to the Nursing Major before examinations are administered. Permission to take the examinations must be granted, as appropriate, by either the Head of the Department of Biology or the Head of the Department of Chemistry and Physics.)	
C. Nursing Major	120
<i>General Education</i>	32
1. English 211 and Humanities Elective	10
2. Mathematics 195, 220, or 290	5

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

3. Upper Level Elective	5	
4. Physical Education Electives	2	
5. History 251 or 252	5	
6. Sociology 221	5	
<i>Professional Nursing</i>		93
1. BSN 200 or BSN 300 (R.N. only)	5	
2. BSN 201, 301, 302, 303, 304, 305	31	
(These courses may be exempted by successful performance on challenge examination with credit awarded after admission to the Nursing Major.)		
3. BSN 306, 400, 401, 402, 403, 404, 405, 406, 407; Nursing/Social Work 330	47	
4. Nursing Electives	10	
D. Regents and Exit Examinations		
	TOTAL	191

Course Offerings

NURSING: BSN 200—INTRODUCTION TO PROFESSIONAL NURSING.

(5-0-5)

Prerequisite: Permission of the Department of Nursing. Winter.

This course is designed for beginning students of nursing. Major emphasis is placed on an introduction to systems theory as it relates to the nursing process as a problem solving approach. The focus of the course is on the development of self-awareness, value clarification, and beginning skills in communication and interviewing. Historical perspectives in nursing as they relate to current issues and trends are discussed.

NURSING: BSN 201—BEGINNING COMPETENCIES IN PROFESSIONAL NURSING.

(3-9-6)

Prerequisite: Completion of BSN 200. Pre- or Corequisite: Biology 210. Spring.

This course is an introduction to nursing theory and beginning competencies in professional nursing. Major emphasis is placed on utilizing scientific principles and nursing theory in the performance of basic nursing skills. Students practice in a laboratory and/or clinical setting.

NURSING: BSN 202—INTRODUCTION TO PHARMACOLOGY.

(2-0-2)

Prerequisite: Permission of the Department of Nursing. Winter.

This course is designed to introduce students to broad classifications of drugs and common routes of administration. Drug actions and interactions with other drugs are also discussed.

NURSING: BSN 300—CURRENT ISSUES IN PROFESSIONAL NURSING.

(5-0-5)

Prerequisite: Permission of the Department of Nursing.

This course is designed for the Registered Nurse student. The course focuses on self-awareness, value clarification and enhancement of the student's communication and interviewing skills. Emphasis is placed upon the concepts of: systems theory as it relates to the nursing progress; adaptation as a response to stress; primary care as a method of providing nursing care; the health/illness continuum.

NURSING: BSN 301—MEDICAL-SURGICAL NURSING I. (2-9-5)

Prerequisite: BSN 200 and BSN 201.

This course introduces the student to beginning competencies in medical and surgical nursing care of the adult patient. Nursing planning and intervention focus on the stress-adaptive processes of man as his state of health and/or illness fluctuate. Clinical learning experiences are provided in secondary health care settings.

NURSING: BSN 302—MEDICAL-SURGICAL NURSING II. (2-9-5)

Prerequisite: BSN 301.

This course is built upon knowledge and skills acquired in Medical-Surgical Nursing I. Emphasis is placed on the role of the nurse as a member of the multi-disciplinary health care team. The student applies the nursing process in providing care for adult patients with multiple medical-surgical problems. Clinical learning experiences are provided in a variety of settings.

**NURSING: BSN 303—NURSING THE
CHILDBEARING FAMILY.**

(3-6-5)

Prerequisite: BSN 200 and BSN 201. Pre- or Corequisite: Nursing/Social Work 330.

This course is designed to provide learning experiences for students in the care of women and their families during the maternity cycle. The primary focus of the course is the promotion of adaptation to the stress of pregnancy and delivery of an infant. Emphasis is placed on utilizing the nursing process to enhance the growth and development of the family. Clinical learning experiences are provided in a variety of settings.

NURSING: BSN 304—NURSING OF CHILDREN. (3-6-5)

Prerequisite: BSN 200 and BSN 201. Pre- or Corequisite: Nursing/Social Work 330.

This course is designed to utilize the nursing process in providing health care to children and their families. Emphasis is placed upon applying knowledge of children's developmental levels and needs as a basis for giving nursing care. A major focus is on stressors and adaptive behaviors unique to children. Clinical experiences are provided in a variety of settings.

**NURSING: BSN 305—PSYCHIATRIC-MENTAL
HEALTH NURSING.**

(3-6-5)

Prerequisite: BSN 200 and 201.

This course is designed to assist the student to assess mental status, stress levels, adaptive patterns and coping behaviors of clients with psychiatric problems. The nursing process is utilized to promote the client's ability to maintain and/or regain a higher level of mental and emotional functioning. Emphasis is placed on interpersonal relations, self-awareness, and therapeutic communication skills. Learning experiences are provided in a variety of settings.

NURSING: BSN 306—NURSING RESEARCH. (5-0-5)

Prerequisite: BSN 200 and 201 or BSN 300. BSN 300 may also be taken as a Corequisite.

The focus of this course is to expand the student's knowledge of the scientific method of inquiry. Emphasis is placed on exploring the research process and how it relates to nursing theory and practice.

NURSING 305—REHABILITATIVE PROCESSES AND HUMAN SEXUALITY. (5-0-5)

Prerequisite: Permission of the Department of Nursing. Winter and Summer.

This course is designed to examine current attitudes toward human sexuality, possible stress factors and individual adaptation and/or maladaptation. Emphasis is placed on those rehabilitative processes in health care settings which facilitate positive adaptation of clients to sexual problems.

NURSING/SOCIAL WORK 330—HUMAN GROWTH AND SOCIAL ENVIRONMENTS. (5-0-5)

Prerequisite: Sociology 201 or permission of the Department of Nursing. Fall and Spring.

This course is designed to examine the reciprocal relationship between man's physical, psychological, emotional, and social development. Emphasis is placed on facilitating man's adaptation to internal and external stress throughout the life cycle.

NURSING/SOCIAL WORK 410—HUMAN SERVICES TO THE ELDERLY. (5-0-5)

Prerequisite: Social Work 303 or permission of the Department of Nursing. Winter and Summer.

This course is designed for students going into public or private agencies serving the elderly. Emphasis is placed on the social, economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects are studied when practicable.

NURSING: BSN 400—INTRODUCTION TO NURSING MANAGEMENT. (5-0-5)

Prerequisite: All Junior Level BSN Courses.

This course is an introduction to the concepts and principles of management as they apply to nursing practice. The major forces in society which impact upon the management of health care are discussed. Students examine the development of leadership roles within the framework of an interdisciplinary practice.

NURSING: BSN 401—NURSING MANAGEMENT. (3-8-5)

Prerequisite: BSN 400.

This course is designed to provide students with the opportunity to implement previously learned management concepts. Emphasis is placed upon developing beginning skills in using systems theory for problem solving. Students investigate and implement principles of sound nursing

leadership in increasingly complex situations. Clinical experiences are provided in a variety of settings.

NURSING: BSN 402—COMMUNITY HEALTH I. (3-8-5)

Prerequisite: All Junior Level BSN Courses.

This course is designed to assist the student in identifying the concepts of community health nursing, the principles of epidemiology, and the role of the nurse in the delivery of family health care. Emphasis is placed on primary care as a method of providing nursing care. Students utilize the nursing process to maintain and promote wellness and/or prevent illness of individuals, families and groups. Through systematic assessment of the functional abilities of clients, the student assists clients in the promotion of healthy coping behaviors. Learning experiences are provided in a variety of community settings. Students must provide own transportation.

NURSING: BSN 403—COMMUNITY HEALTH II. (3-8-5)

Prerequisite: BSN 402.

This course is a continuation and expansion of the concepts and principles introduced in Community Health I. Emphasis of clinical experiences is on continuity of care of selected families while the scope of practice enlarges to include health needs of groups and communities. Learning experiences are provided in a variety of community settings. Students must provide own transportation.

NURSING: BSN 404—HEALTH ASSESSMENT. (3-8-5)

Prerequisite: Completion of Junior Level BSN Nursing Courses.

This course is designed to increase the depth and breadth of the student's competencies in assessing client's health status and levels of adaptation. Emphasis is on the promotion and maintenance of health and the prevention of illness. A major aim is the recognition of deviations from normal. Students increase their skills in making appropriate referrals to other health care providers. Learning experiences are provided in a variety of settings.

NURSING: BSN 405—ADVANCED NURSING THEORY I. (3-8-5)

Prerequisite: All Junior Level Courses.

This course assists the student to synthesize knowledge acquired from biological, social and behavioral sciences. The focus of the course is implementation of the nursing process in the care of adults and children in acute care settings. Clinical learning experiences enable students to refine previously learned skills and develop new skills required in the delivery of nursing care to patients with complex needs and/or problems.

NURSING: BSN 406—ADVANCED NURSING THEORY II. (3-8-5)

Prerequisite: All Junior Level Courses.

This course assists the student to synthesize knowledge acquired from biological, social, and behavioral sciences. The focus is on providing comprehensive health care to high risk childbearing families and families experiencing a high degree of emotional stress. Clinical learning experiences assist the student to apply the nursing process in the promotion of

optimal levels of wellness and healthy adaptive patterns in selected maternal-newborn and mental health settings.

NURSING: BSN 407—SENIOR SEMINAR.

(2-0-2)

Prerequisite: All Junior Level Courses.

This course examines forces and factors which influence change in the health care delivery system. Current issues, trends and implications for the future of nursing are explored. Role transition from student to graduate is discussed.

Program for the Degree Bachelor of Science in Nursing (Registered Nurses)

This degree program will not be offered after the 1979-80 academic year. Students currently enrolled in the program must complete its requirements by the end of Spring Quarter, 1981. Program requirements, built upon the Associate in Science in Nursing degree, are listed in the 1978-79 edition of the Armstrong State College *Bulletin*.

DEPARTMENT OF CRIMINAL JUSTICE

Professor William L. Megathlin, Head; Associate Professor Magnus; Assistant Professors Menzel and Persons.

Armstrong State College provides professional education to prepare students for careers in many areas in the administration of criminal justice. A strong liberal arts emphasis has been developed within the criminal justice program, enabling the student to prepare for new and demanding requirements in his profession. Specific courses in criminal justice are open to all students as electives. Students who plan to follow careers in the behavioral sciences, law, journalism, or education may find courses in the criminal justice area both interesting and useful. Non-majors should consult with their faculty advisors before electing these courses.

Two programs of study are available to the student who wishes to study in the criminal justice area — a two year program leading to the degree of Associate in Science in Criminal Justice with a concentration in corrections or in law enforcement and a four-year program leading to the degree of Bachelor of Science in Criminal Justice. Each student should work closely with assigned departmental advisor in planning a program for either of the two degrees.

Departmental Objectives

As part of the total academic community, the Department of Criminal Justice shares the general philosophy and objectives which appear elsewhere in this catalog. In addition, some specific teaching, research, service and faculty development objectives impact upon the provision of effective professionals for the criminal justice system.

Teaching. The primary function of this department is to impart relevant knowledge for the student's consideration and understanding. In addition,

the faculty must assist the student in the utilization of his/her resources to acquire and apply knowledge beyond the confines of a particular course. The objectives of our teaching are: to prepare students for further education and for careers in the criminal justice system, and to maximize the potential of students to be positive influences in criminal justice and society.

Research. Although of relatively minor importance at an institution such as Armstrong, research has the potential to make a significant impact on improvement of local agencies in the criminal justice system. Our objective is to foster faculty and student research which may add to the field of knowledge and which may assist criminal justice agencies in their efforts to become more effective.

Service. For a professional, career-oriented program such as ours, contacts with the community and the many criminal justice agencies are essential. The objectives of these contacts are: to improve the teaching component of the program; to foster coordination and cooperation among the agencies and with the public; and to foster improvements in the criminal justice system.

Faculty development. To the extent that our faculty is competent, other objectives and goals are possible. Our objective in faculty development is to seek and utilize all possible opportunities to develop each faculty member to the fullest extent of his/her capabilities. An effective department is a direct outgrowth of effective faculty members.

**Program for the Degree
Associate in Science in Criminal Justice
with a Concentration in Law Enforcement**

	<i>Quarter Hours</i>
A. General Requirements*	53
1. English 111, 112	10
2. Art 200, 271, 272, 273, Music 200, or Philosophy 200, 201	5
3. Mathematics 101	5
4. Laboratory Science Sequence	10
5. History 251 or 252 and Political Science 113	10
6. Psychology 101 and Sociology 201	10
7. Physical Education 103 or 108 and 211	3
B. Area of Concentration	40
Criminal Justice 100, 103, 104, 201, 210, 301 and two CJ electives	
C. Regents and Exit Examinations	
TOTAL	93

**Program for the Degree
Associate in Science in Criminal Justice
with a Concentration in Corrections**

	<i>Quarter Hours</i>
A. General Requirements*	53
1. English 111, 112	10
2. Art 200, 271, 272, 273, Music 200, or Philosophy 200, 201	5
3. Mathematics 101	5

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

4. Laboratory Science Sequence	10
5. History 251 or 252 and Political Science 113	10
6. Psychology 101 and Sociology 201	10
7. Physical Education 103 or 108 and 211	3
B. Area of Concentration	40
Criminal Justice 100, 102, 103, 201, 210, 301, and two CJ electives	
C. Regents and Exit Examinations	
TOTAL	93

At least 45 hours of each of these two programs must be completed at Armstrong.

Program for the Degree Bachelor of Science in Criminal Justice

Students who intend to major in Criminal Justice should complete Criminal Justice 100 before the end of the freshman year and should complete all general education requirements as soon as possible.

A. General Requirements*	66
1. English 111, 112, 211	15
2. Art 200, 271, 272, 273, Music 200, Philosophy 201, or English 222	5
3. Mathematics 101 and 103, 195, 220 or 290	10
4. Laboratory Science Sequence	10
5. Political Science 113 and History 114 and 115	15
6. Psychology 101 and Sociology 201, Economics 201, or Anthropology 201	5
7. Physical Education	6
Physical Education 103 or 108 and 211 and three Physical Education activities courses	
B. Courses Appropriate to Area of Concentration*	30
1. Psychology 101 or Sociology 201	5
2. History 251 or 252	5
3. Criminal Justice 100, 103, 201, 210	20
C. Area of Concentration	30
Criminal Justice 301, 303, 305, 390, 403, 490	
D. Electives from Related Areas	65
Sixty-five hours chosen from a list of selected electives. No more than fifteen hours may be taken from any one department except Criminal Justice. Seven of these courses should be 300-400 level courses.	
E. Regents and Exit Examinations	
TOTAL	191

Minor Concentrations

The department offers a minor in *Criminal Justice*, requiring 25 hours with grades of "C" or better in each course. The minor includes: C.J. 100; C.J. 210 or C.J. 301; C.J. 303; C.J. 305; and C.J. 403.

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

Course Offerings

CRIMINAL JUSTICE 100—INTRODUCTION
TO CRIMINAL JUSTICE. (5-0-5)

Offered each quarter.

This survey course examines the emergence of formal institutions established within the American experience to deal with criminal behavior. The philosophical and cultural origins of the criminal justice system and current trends in criminal justice are emphasized.

CRIMINAL JUSTICE 102—INTRODUCTION TO
CORRECTIONS. (5-0-5)

Fall.

This course provides an overview of the American correctional system.

CRIMINAL JUSTICE 103—DEVELOPING
INTERPERSONAL COMMUNICATIONS SKILLS. (5-0-5)

Fall, Winter, Spring.

The emphasis of this course will be placed upon the development of interpersonal communication skills, i.e., skills that can be effectively utilized on the job to improve interaction among employees and between employees and the public.

CRIMINAL JUSTICE 104—BASIC LAW
ENFORCEMENT. (5-0-5)

Fall.

This course will include a study of the police system in the United States, an overview of the basic purposes and objectives of the average police department, and an introduction to police ethics and professionalization.

CRIMINAL JUSTICE 201—CRIMINAL PROCEDURE. (5-0-5)

Winter.

A survey of the distinctive features of, and the basis for, American Criminal Law buttressed by an analysis of leading court decisions relative to procedural rights emanating from the Bill of Rights.

CRIMINAL JUSTICE 202—LAW OF EVIDENCE. (5-0-5)

Offered on demand.

An intensive analysis of the rules of evidence in criminal cases. Particular subjects will include burden of proof, hearsay, evidence, and the principles of exclusion and selection.

CRIMINAL JUSTICE 203—CRIMINAL LAW. (5-0-5)

Winter.

History and development of criminal law with definitions and general penalties. Special emphasis will be placed upon the Georgia Penal Code.

CRIMINAL JUSTICE 204—CRIMINAL INVESTIGATION. (5-0-5)

Offered on demand.

Introduction to investigative methodology. Special techniques employed in criminal investigation, such as crime scene searches, the use of informants, and the techniques of surveillance will be emphasized, as well as the presentation of police cases in court.

CRIMINAL JUSTICE 210—CRIMINOLOGY.

(5-0-5)

Fall.

The nature and extent of crime in the United States; assessment and evaluation of various factors and influences that lead to criminal behavior; various measures proposed for the control of criminal behavior.

CRIMINAL JUSTICE 250—DIRECTED READINGS IN CRIMINAL JUSTICE.

(5-0-5)

Offered on demand.

A course designed to permit each student to pursue an approved topic through independent study and research under the guidance and direction of the instructor.

CRIMINAL JUSTICE 301—JUVENILE DELINQUENCY. (5-0-5)

Fall. Prerequisite: Criminal Justice 100 or consent of instructor.

A survey of theories of juvenile delinquency, the sociological, biological, and psychological factors involved in juvenile delinquency and the modern trends in prevention and treatment.

CRIMINAL JUSTICE 302—CRIMINALISTICS.

(5-0-5)

Summer. Prerequisite: A natural science laboratory sequence or consent of instructor.

An introduction to the problems and techniques of scientific criminal investigation. Emphasis will be placed on familiarizing the student with the role of science and technology in modern law enforcement.

CRIMINAL JUSTICE 303—PENOLOGY.

(5-0-5)

Winter. Prerequisite: Criminal Justice 100, 102 or consent of instructor.

This course deals with the analysis and evaluation of both historical and contemporary correctional systems. This course will also deal with the development, organization, operation and results of the different systems of corrections found in America.

CRIMINAL JUSTICE 304—PROBATION AND PAROLE. (5-0-5)

Offered on demand. Prerequisite: Criminal Justice 303, or consent of instructor.

This course will deal with the development, organization, operation and results of systems of probation and parole as substitutes for incarceration.

CRIMINAL JUSTICE 305—LAW ENFORCEMENT SYSTEMS.

(5-0-5)

Spring. Prerequisite: Criminal Justice 100, 104 or consent of instructor.

An introduction to the philosophical, cultural and historical background of the police idea. This course is conceptually oriented and will deal with concepts such as the role of the police in contemporary society, the quasi-military organization of the police, and community relations.

CRIMINAL JUSTICE 307—COMMUNITY
BASED TREATMENT.

(5-0-5)

Offered on demand. Prerequisite: Criminal Justice 303 or consent of instructor.

This course will investigate the different community base treatment programs. An emphasis will be placed on investigating the function of halfway houses and the use of volunteers in corrections.

CRIMINAL JUSTICE 390—RESEARCH METHODS
IN CRIMINAL JUSTICE.

(5-0-5)

Winter. Prerequisites: English 111 and 112, Criminal Justice 210 or 301, Criminal Justice 303 and 305.

This course deals with the methods and techniques of research in the behavioral sciences. Emphasis will be placed on learning how to evaluate research.

CRIMINAL JUSTICE 401—CRIMINAL JUSTICE
PLANNING.

(5-0-5)

Offered on demand. Prerequisite: Criminal Justice 390 or consent of instructor.

Origins and evolution of modern day planning. Planning as a process of criminal justice decision-making.

CRIMINAL JUSTICE 402—CIVIL LIBERTIES.

(5-0-5)

Offered on demand. Prerequisite: Criminal Justice 201 or Political Science 317.

Problems will be drawn from the substantive and procedural aspects of constitutional law and explored in the context of the current friction between the values of order and individual liberty.

CRIMINAL JUSTICE 403—JUDICIAL PROCESS.

(5-0-5)

Spring. Prerequisite: Criminal Justice 201, Political Science 317, or consent of instructor.

Courts as political subsystems in comparative perspective. Judicial decision-making and the development of public policy through the judicial process.

CRIMINAL JUSTICE 406—LAW AND SOCIETY.

(5-0-5)

Offered on demand. Prerequisite: Criminal Justice 403 or the consent of instructor.

The study of the theory and philosophy of law and the relationship between law and society. Current controversies such as civil disobedience and law and personal morality will receive special attention.

CRIMINAL JUSTICE 408—HUMAN RELATIONS.

(5-0-5)

Offered on demand. Prerequisite: Consent of instructor.

This course will deal in the area of human relations as a means of controlling and changing people. Emphasis will be placed on effective listening and effective communication.

CRIMINAL JUSTICE 440—SEMINAR IN
CRIMINAL JUSTICE.

(5-0-5)

Offered on demand. Prerequisite: Open to seniors only or by consent of the instructor.

An intensive study of selected topics relative to the concept of criminal justice. Subject matter will vary annually.

CRIMINAL JUSTICE 450—FIELD EXPERIENCE I. (5-0-5)

Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

The purpose of this course is to broaden the educational experience of students through appropriate observation and work assignments with criminal justice agencies. The course will be organized around specific problem orientations with operational research connotations. Students will be expected to spend a minimum of five hours per week with the participating agency. Open to transient students only with permission of the Dean of Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 451—FIELD EXPERIENCE II. (5-0-5)

Offered each quarter. Prerequisite: Open to junior and senior criminal justice majors only and by invitation of the instructor.

This is a sequential course to Criminal Justice 450 which will permit the student to further broaden his perspectives. Open to transient students only with permission of the Dean of Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 452-453-454—INTERNSHIP.

(5 hours credit for each course)

Offered each quarter. Prerequisite: Open only to upper level criminal justice majors.

This course is designed to provide the student with an opportunity to apply academic training in the practical criminal justice setting. Settings will include law enforcement agencies (local, state or federal), community treatment facilities, and the courts. This course will be jointly supervised by college staff and law enforcement, correctional and court officials. Open to transient students only with permission of the Dean of the Faculty at Armstrong State College and of the college from which the student comes.

CRIMINAL JUSTICE 490—DIRECTED RESEARCH
IN CRIMINAL JUSTICE.

(5-0-5)

Offered on demand. Prerequisite: Criminal Justice 390.

A course designed to provide qualified students the opportunity to perform suitable and meaningful research into some area of criminal justice under the direction of the instructor. Open to transient students only with permission of the Dean of the Faculty at Armstrong State College and of the college from which the student comes.

DEPARTMENT OF DENTAL HYGIENE

Assistant Professor James M. Bell, Head; Assistant Professors Adams, Simon, and Tanenbaum; Teaching Associates Fleming, Giorgio, and Russell.

Associate in Science in Dental Hygiene

For the two-year (seven quarters) program leading to the Associate in Science degree in Dental Hygiene, the student must complete a curriculum of 55 quarter hours in academic courses and 58 quarter hours in professional dental hygiene courses. The purpose of this program is to provide trained personnel in a rapidly growing and important health profession. Dental hygienists provide dental health services in private dental offices, civil service positions, industry, and in various public health fields. They practice under the supervision of a dentist and must pass a state board examination for licensure. The curriculum is fully approved by the Commission on Accreditation of Dental and Dental Auxiliary Educational Programs of The American Dental Association.

A passing grade in all related natural science courses is a prerequisite to the 200 level Dental Hygiene courses; therefore, Chemistry 201, Zoology 208-209, and Biology 210 must be satisfactorily completed before the student will be admitted into second-year status in the Dental Hygiene Program.

The student must earn a "C" or better in each Dental Hygiene course before he or she will be allowed to register for subsequent dental hygiene courses; therefore, a grade of "C" or better in the previous course(s) is a prerequisite for each dental hygiene course for which the student registers after the first quarter of the freshman year. An overall GPA of 2.0 is required for graduation from the program.

Program for the Degree Associate in Science in Dental Hygiene

	<i>Quarter Hours</i>
A. General Requirements*	35
1. English 111, 112	10
2. Psychology 101	5
3. Sociology 201	5
4. Physical Education 211	2
5. Physical Education activity course	1
6. Drama/Speech 217	2
7. History 251 or 252	5
8. Political Science 113	5
B. Courses in Major Field	58
Dental Hygiene 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 210, 211, 212, 213, 214, 215, 216, 217, 219, 220, 221	

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

	<i>Quarter Hours</i>	
C. Courses in Related Fields		20
1. Chemistry 201	5	
2. Zoology 208, 209	10	
3. Biology 210	5	
D. Regents and Exit Examinations		
	TOTAL	113

Course Offerings

DENTAL HYGIENE 111—CLINICAL

DENTAL HYGIENE I. (2-3-3)

Fall.

This course is designed to introduce the student to the dental hygiene profession. The subject matter includes fundamental knowledge of clinical procedures and techniques of removing stains and deposits from the teeth. Clinical procedures are introduced first on manikins and then applied in the mouth.

DENTAL HYGIENE 112-113—CLINICAL DENTAL

HYGIENE II AND III. (1-6-3) (1-6-3)

Winter and Spring respectively. Prerequisite: Dental Hygiene 111.

Students continue with oral prophylactic techniques on patients in the clinic under supervision. The subject matter includes advanced procedures which the hygienist will use in the performance of duties. The student must apply acquired knowledge in all clinical situations.

DENTAL HYGIENE 114—DENTAL ANATOMY. (2-0-2)

Fall.

This course is designed to familiarize the dental hygiene student with the nomenclature, morphology, and eruption sequence of the primary and secondary dentition.

DENTAL HYGIENE 115—ORAL HISTOLOGY

AND EMBRYOLOGY. (2-0-2)

Winter.

This course includes primarily the study of oral histology and embryology and is designed to familiarize the dental hygiene student with the histology of the oral cavity and with the growth and development of the embryo with emphasis on the oral structures.

DENTAL HYGIENE 116—HEAD AND NECK ANATOMY. (2-0-2)

Spring.

This course is designed to familiarize the dental hygiene student with gross anatomical relationships in the head and neck. Special attention is given to the anatomy of the oral cavity and its clinical application.

DENTAL HYGIENE 117—APPLIED NUTRITION. (2-0-2)

Spring.

This course presents the biochemical aspects of nutrition as applied to the practice of dentistry. Students are instructed in diet, history taking, and dietetic counseling.

DENTAL HYGIENE 118—PERIODONTICS. (2-0-2)

Summer.

This course is designed to give the student a basic understanding of periodontics. Emphasis will be placed on the significance of patient education and dental prophylaxis in the prevention of periodontal disease.

DENTAL HYGIENE 119—DENTAL MATERIALS. (2-3-3)

Summer.

This course is designed to provide a general understanding of the chemical, physical and mechanical properties of dental materials. The indications and limitations of materials will be stressed as well as proper manipulation of those materials used by dental hygienists.

DENTAL HYGIENE 120—DENTAL ROENTGENOLOGY. (2-3-3)

Summer.

This course will include a series of lectures, demonstrations, and directed experience in the fundamentals of dental roentgenology. Intra-oral techniques for the taking and processing of radiographs are taught and laboratory time will be devoted to demonstration and directed experience. Clinical time in subsequent quarters will afford the application of the principles of clinical situations.

DENTAL HYGIENE 210—GENERAL AND ORAL PATHOLOGY. (3-0-3)

Fall.

This course is designed to familiarize dental hygiene students with the principles of general pathology in relation to the common diseases of oral regions. Emphasis will be placed on clinical manifestations and the importance of early recognition of abnormal conditions.

DENTAL HYGIENE 211-212-213—CLINICAL DENTAL HYGIENE IV, V, VI. (1-12-5) (1-12-5) (1-12-5)

Fall, Winter and Spring respectively. Prerequisites: Dental Hygiene 111, 112, 113.

These courses are a continuation of the preceding clinical courses. Emphasis centers on improved proficiency in all areas of a working clinic. Lecture time is devoted mainly to the discussion of experiences encountered in clinical situations. Pertinent material related to the dental hygiene profession is included in these courses.

DENTAL HYGIENE 214—ANESTHESIOLOGY AND PHARMACOLOGY. (2-0-2)

Winter.

This course is a study of drugs and anesthetics with special consideration given to those used in dentistry. It is designed to acquaint the student with the principles of drug action in the human patient.

DENTAL HYGIENE 215—PREVENTIVE DENTISTRY. (2-0-2)

Fall.

The principles of prevention of oral diseases are presented. Emphasis is placed on training the student in the utilization of oral physiotherapy aids

and on education and motivation of patients in proper oral hygiene. Clinical time in subsequent quarters will afford the application of these principles to clinical situations.

DENTAL HYGIENE 216—DENTAL PUBLIC HEALTH. (2-0-2)

Winter.

This course introduces the student to the various aspects of public health with reference to the dental needs of the community. Special attention is given to terminology, epidemiology, and interpretation of data related to community dental health programs.

DENTAL HYGIENE 217—DENTAL HEALTH EDUCATION. (2-0-2)

Winter.

This course is designed to familiarize the dental hygiene student with the practical application of modern methods of dental health education. Course content includes developing teaching materials for dental health education, demonstrations, and presentation of materials.

DENTAL HYGIENE 219—TOTAL PATIENT CARE. (2-0-2)

Winter.

This course is a series of lectures to acquaint the student with the subject matter and practice of the various dental specialties in relation to the patient's total health. Emphasis is placed on periodontics, its treatment and the role of the dental hygienist in maintenance of oral health. This course is also designed to acquaint the student with the contributions to the provision of dental services by dental auxiliary personnel.

DENTAL HYGIENE 220—DIRECTED
FIELD EXPERIENCE. (0-9-3)

Spring.

Students will receive directed field experience in public health dentistry and for the handicapped. They will also experience planned learning experiences in private dental offices.

DENTAL HYGIENE 221—FUNDAMENTALS
OF DENTAL HYGIENE. (2-0-2)

Spring.

This course is designed as a seminar to acquaint students with the ethical responsibilities of the dental hygienist, the jurisprudence governing the practice of dental hygiene, and the structure and function of the American Dental Association, the Georgia Dental Association, and the American Dental Hygienists Association.

Bachelor of Science in Dental Hygiene Education

This degree is comprised of preparatory courses which will enable the students to become instructors of Dental Hygiene. The students will work with the dental hygiene faculty and be directly under their supervision. However, their professional level will be above the student dental hygienists (Associate in Science degree students).

Requirements include attendance at selected freshman and sophomore lecture classes and clinics. The number and times of attendance will be left to the discretion of the Head of the Department. Lecture subjects; reading assignments; grading procedures; and laboratory design; as well as instruction technique; attitude and interaction between students, faculty, and patients will be graded by all faculty members, with the final grades being determined by the Department Head.

In addition to courses listed for the Associate in Science in Dental Hygiene Degree, the following courses must be completed.

Program for the Degree Bachelor of Science in Dental Hygiene Education

	<i>Quarter Hours</i>
A. General Requirements*	33
1. English 211	5
2. Philosophy 200 or 201	5
3. Mathematics 101, 220	10
4. History 114, 115	10
5. Physical Education electives	3
B. Courses in the Major Field	20
1. Dental Hygiene 401, 402, 403, 404	
C. Courses in Related Fields	20
1. Education 203, 330	10
2. Psychology 301, 305	10
D. Electives	20
E. Regents** and Exit Examinations	
TOTAL	93

Course Offerings

DENTAL HYGIENE 401—PRACTICUM IN

DENTAL HYGIENE EDUCATION I.

(0-10-5)

Fall. Prerequisite: Senior Status and work experience.

An introductory field experience in the college dental hygiene clinic, with emphasis on observation, individual and small group teaching, and teacher aide work. The first professional course for majors in Dental Hygiene Education.

DENTAL HYGIENE 402—PRACTICUM IN

DENTAL HYGIENE EDUCATION II.

(0-10-5)

Winter. Prerequisite: DH 401.

A continuation of Dental Hygiene 401. Problems common to beginning dental hygiene teachers, practices and procedures designed to accomplish program objectives, the establishment and organization of content, methods of clinical evaluation and supervision in the dental hygiene clinic.

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

**The Regents Examination is not required if it was successfully completed as a part of an Associate Degree program.

NOTE: Students in the Bachelor of Science degree program in Dental Hygiene Education who did not complete History 251 or 252 and Political Science 113 or their equivalents in their Associate Degree programs must do so as part of their baccalaureate degree programs.

DENTAL HYGIENE 403—PRACTICUM IN
DENTAL HYGIENE EDUCATION III.

(0-10-5)

Spring. Prerequisite: DH 402.

An advanced field experience, designed to assist the student in the development of learning activities, teaching procedures, and the presentation of materials pertinent to dental hygiene education. The student will develop and teach selected units in the basic dental hygiene sequence.

DENTAL HYGIENE 404—DIRECTED
INDIVIDUAL STUDY.

(0-10-5)

Summer. Prerequisite: DH 403.

Directed individual study in an area of major interest with special relevance to Dental Hygiene and future career objectives. Laboratory experience will be included to meet the needs of the students.

MEDICAL RECORD TECHNOLOGY

The Board of Regents of the University System has approved a curriculum at Armstrong State College leading to the Associate in Science degree in Medical Record Technology. Information concerning the status of this program is available from the Dean of the School for Human Services.

Program for the Degree Associate in Science in Medical Record Technology

	Quarter Hours
A. General Requirements*	28
1. English 111, 112	10
2. Chemistry 201	5
3. History 251 or 252	5
4. Political Science 113	5
5. Physical Education activity courses	3
B. Courses Appropriate to the Field	20
1. Zoology 208, 209	10
2. Mathematics 101**, Computer Science 110	10
C. Courses in Medical Record Technology	54
1. MRT 101, 102, 103	15
2. MRT 201, 202, 204, 205, 207	25
3. MRT 203, 206	4
4. MRT 210, 215, 220	10
D. Regents and Exit Examinations	
TOTAL	102

Course Offerings

MEDICAL RECORD TECHNOLOGY 101—MEDICAL RECORD SCIENCE.

(3-4-5)

An introduction to the history of Medicine and Medical Records with practicum emphasizing medical record purpose, content, functions, and

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

**This course may be exempted by examination.

contributions to the health field. An in-depth study of the principles to the development of the medical record including forms, numbering, filing, controlling, indexing, and analysis of medical data.

MRT 102—MEDICAL RECORD SCIENCE II. (5-0-5)

A survey of the hospital and medical staff organization; and introduction to regulatory agencies, primarily JCAH (Joint Commission of Accreditation of Hospitals); coding and indexing by ICD-9-CM; the study of the history and structure of ARMA.

MRT 103—PATHOPHYSIOLOGY FOR MEDICAL RECORDS TECHNOLOGISTS. (5-0-5)

Pathophysiology serves as an essential connecting link between the basic sciences of anatomy and physiology of the human body and the medical and surgical repair of a diseased host. Dysfunctions of normal physiology and the processes that bring about these disruptions will be considered. The manner in which these disruptions manifest themselves as signs, symptoms, physical findings, and laboratory results will be discussed.

MRT 201—MEDICAL TERMINOLOGY I. (5-0-5)

A study of the language of medicine including word construction, definition, and use of terms related to all areas of medical science, hospital services, and health related fields.

MRT 202—MEDICAL TERMINOLOGY II. (5-0-5)

A continuation of Medical Terminology I.

MRT 203—MEDICAL TRANSCRIPTION. (1-4-3)

Prerequisite: Beginning typing I and Medical Terminology.

Medical transcribing, editing medical reports, and managing transcription pools are emphasized. The Clinical laboratory time will be spent typing from cassette tapes through which medical reports (discharge summaries, operative reports, radiology reports) have been dictated by physicians.

MRT 204—MEDICAL RECORD SCIENCE III. (4-2-5)

Principles of record analysis: completion of medical records by all medical and other associated professional personnel, coding final diagnoses and operative procedures, completion of source documents for indexing and computerization. A study of medical audit methodology; knowledge of birth and death certificates; and implementing Problem Oriented Medical Record in health institutions.

MRT 205—MEDICAL RECORD SCIENCE IV. (4-2-5)

Instruction in the medical library, various disease classifications and nomenclatures, cancer programs, and hospital indexes and registers. A survey of special record systems: Nursing Home and Ambulatory Care Centers; inter-departmental relationships with other functional areas of the hospital particularly the admitting office. A final review of the role of the Medical Record Technician in the health career field.

MRT 206—HEALTH OCCUPATIONS. (1-0-1)

An introductory study of the present system of health care on local, state, national, and international levels. The changing pattern of health manpower needs and the emerging trends are explored. Orientation to health facilities with emphasis placed on the organization of a hospital and its functional units.

MRT 207—MANAGEMENT FOR MEDICAL RECORDS TECHNOLOGISTS. (5-0-5)

The student is introduced to such management tasks as planning, organizing, delegating, supervising, coordinating, and budgeting. Emphasis is placed on the inter-personal aspects of these tasks. Cost-effectiveness is the central theme.

MRT 210—DIRECTED EXPERIENCE I. (1-4-2)

Supervised learning experience at various health care centers. Specific assignments are made in the medical record departments such as records and loose documents filing, patient indexing, record controlling, and record assembly and analysis.

MRT 215—DIRECTED EXPERIENCE II. (1-8-4)

The practicum emphasizes practical experience and dealing with the problems of department and personnel management. The student is given opportunity to accept responsibilities for certain jobs in the medical record department to gain and develop insight and understanding for all functions in the department, and to recognize the need for preservation for confidentiality of medical information.

MRT 220—DIRECTED EXPERIENCE III. (1-8-4)

Emphasis is placed on the managerial and technical concerns of the student practitioners. This directed clinical experience applies to the syntheses of the program of studies, and prepares the student for transition to the graduate role.

RESPIRATORY THERAPY

Armstrong State College offers the following seven-quarter curriculum leading to the Associate in Science degree in Respiratory Therapy. Requests for information should be addressed to the Program Director or to the Dean for Human Services.

**Program for the Degree
Associate in Science in Respiratory Therapy**

	<i>Quarter Hours</i>
A. General Requirements	28
1. English 111, 112	10
2. Mathematics 101	5
3. History 251 or 252; Political Science 113	10
4. Physical Education activity course	3

	Quarter Hours
B. Courses Appropriate to the Field	28
1. Zoology 208, 209, 211	13
2. Biology 210	5
3. Chemistry 201, 202	10
C. Courses in Respiratory Therapy	60
1. ResT 101, 102, 103, 104, 105	32
2. ResT 201, 202, 203, 204	28
D. Regents and Exit Examinations	
	TOTAL
	116

Course Offerings

RESPIRATORY THERAPY 101—INTRODUCTION TO RESPIRATORY THERAPY.

(4-10-7)

This course introduces the student to the profession by presenting its historical development, professional organizations, professional responsibilities, ethics and medical law. The metric system and medical terminology are integrated into the study of medical gas therapy which includes equipment theory, operation, techniques and applications.

RESPIRATORY THERAPY 102—RESPIRATORY PHARMACOLOGY.

(2-0-2)

This course will present a general description of pharmacological agents encountered in respiratory therapy including the effects on respiration of drugs such as anesthetic agents and narcotics. Special emphasis will be placed on dosage, methods of administration, actions and side effects of drugs administered by therapists.

RESPIRATORY THERAPY 103—RESPIRATORY THERAPY PROCEDURES I.

(3-14-7)

Prerequisite: ResT 101.

Basic concepts related to the theory, operation, and clinical application of aerosol and humidity generating devices will be studied. Principles, techniques, procedures and equipment used in the administration of intermittent positive pressure breathing will also be studied. Pulmonary drainage techniques and procedures will also be taught.

RESPIRATORY THERAPY 104—RESPIRATORY THERAPY PROCEDURES II.

(3-16-8)

Prerequisite: ResT 103.

This course presents the basic principles and concepts of cardiopulmonary resuscitation, airway management, pulmonary function and continuous ventilation. Emphasis will be placed on performance of basic techniques and procedures.

RESPIRATORY THERAPY 105—INTRODUCTION TO EMERGENCY AND INTENSIVE RESPIRATORY CARE.

(4-14-8)

Prerequisite: ResT 104, or permission of the instructor.

This course provides in-depth instruction in medical gas administration, aerosol and humidity therapy, intermittent positive measure breathing, cardiopulmonary resuscitation and airway management as it relates to emergency and intensive respiratory care.

RESPIRATORY THERAPY 201—PATHOLOGY AND PHYSICAL DIAGNOSIS.

(2-2-3)

Prerequisite: Biology 210.

Disease processes which affect the respiratory and cardiovascular systems are studied. Physical diagnosis, using the skills of inspection, palpation, percussion and auscultation will be taught as part of this course.

RESPIRATORY THERAPY 202—CONTINUOUS VENTILATION.

(4-13-8)

Prerequisite: ResT 105, Chemistry 202.

The theory and concepts of respiratory care with emphasis on continuous ventilation are studied. Topics in this course include indications, physiological considerations, ventilation patterns, management techniques, weaning procedures, types of ventilatory and functional characteristics of ventilators. Detailed instruction in the mechanics of equipment used in respiratory therapy is also presented.

RESPIRATORY THERAPY 203—PULMONARY FUNCTIONS.

(2-14-6)

Prerequisite: ResT 202.

This course will consist of an indepth exposure to pulmonary function evaluation procedures. The student will be taught principles and techniques of blood gas analysis, lung volume and diffusion capacity determination. Much emphasis will be placed on performance of technical procedures, including arterial puncture, calculation of pulmonary function data and application of laboratory data to clinical situations.

RESPIRATORY THERAPY 204—CLINICAL APPLICATION.

(4-24-11)

Prerequisite: ResT 203.

This course will provide the student with the opportunity for an intensive application of Respiratory Therapy to specific specialties such as emergency, medicine, surgery and pediatrics. The student will be confronted with types of responsibilities and decisions that will be required of him as a respiratory therapist.

SOCIAL WORK AND SOCIOLOGY

Associate Professor Neil B. Satterfield, Director of the Social Work Program; Assistant Professors Brown and Ralston; Instructor MacLean.

The degree program in Social Work is offered jointly by Savannah State College and Armstrong State College with coordination of the program shifting on a regular basis from one campus to another. Courses in the program are offered on each campus, with the campus location noted in the course descriptions printed below. Social Work faculty also offer supporting coursework in the area of Sociology.

Program for the Degree Bachelor of Arts in Social Work

The Social Work major must check with his/her advisor prior to enrollment in Social Work 333 for the required guidance and evaluation procedure.

	<i>Quarter Hours</i>
A. General Requirements*	96
1. English 111, 112, 211, and one of the following:.....	20
Art 200, 271, 272, 273; Music 200;	
Philosophy 200, 201; English 222	
2. Mathematics 101 and Mathematics 220 or 290	10
3. Political Science 113 and one of the following:	10
Psychology 101, Anthropology 201, Economics 201	
4. History 114, 115 and History 252	15
5. Laboratory Science Sequence	10
6. Foreign Language 101, 102, 103 <i>or</i>	
Philosophy 201, Anthropology 201, and a	
Social Science elective at the 100-200 level	15
7. Sociology 201 and Social Work 250	10
8. Physical Education 103 or 108 and 117 and three	
activities courses	6
B. Courses in the Major Field	60
1. Social Work 309, 320**, 330, 333,	
334, 335**, and 385**	35
2. Two of the following: Social Work 406, 410, 430	10
3. Field Experience — Social Work 451, 452, 475	15
C. Courses in Related Field	30
1. Mental Health 102 and any three of the following:	20
a. Criminal Justice 301	
b. Psychology 405 <i>or</i> 406 <i>or</i> Education 385**	
c. Political Science 306 <i>or</i> 307	
d. Economics 201	
e. Computer Science 110	
f. History 379 <i>or</i> 367	
2. Sociology 315, 340	10
D. Electives	5
E. Regents and Exit Examinations	
TOTAL	191

Course Offerings

Social Work

SOCIAL WORK 250—INTRODUCTION TO SOCIAL WORK. (5-0-5)

Offered each quarter. Alternating ASC, SSC.

This course is a study of the social welfare systems and the social work profession as a discipline within it. The course presents an overview of social service delivery systems as a response to human need. The course requires 4 or 5 on-site structured observations of different social service settings.

The student will examine the knowledge base, the value system, the professional skills employed, and the history of the social work profession.

*Certain courses may be exempted by examination with credit awarded. See "Admission" section of this *Bulletin*.

**Offered at Savannah State College only.

The student will begin a systematic look at his/her own lifestyle and value system as potential for becoming a social work professional.

SOCIAL WORK 309—GROUP PROCESS. (5-0-5)

Prerequisites: SW 250 and completion of General Requirements as listed in the degree program outline. Offered each quarter. ASC.

A course designed primarily to develop basic skills in working with groups and to increase one's level of self awareness. The body of knowledge is measured by written tests and term papers. Communication skills, values, and one's affective domain are measured by peer ratings, group exercises, and professor's judgement. For behavioral science and professional degree majors only.

SOCIAL WORK 320—ETHNIC MINORITIES. (5-0-5)

Prerequisites: Sociology 201 or Social Work 250. Fall and Spring. SSC.

This course focuses on the present factual situation in America. The course examines the problems faced by minorities in America, especially where skin color and language pose social and economic barriers. It looks at dominant public institutions and patterns of response by minorities such as Black Americans, Chicanos, Puerto Ricans, Native Americans, and other sizeable ethnic groups.

SOCIAL WORK/NURSING 330—HUMAN GROWTH AND SOCIAL ENVIRONMENT. (5-0-5)

Prerequisite: Sociology 201 and Psychology 101 or SOS 201. Fall and Spring. ASC.

A course designed to examine the reciprocal relationships between man and his environment and the effects of this relationship on man's physical, emotional, and social development. Emphasis will be placed on facilitating man's adaptation to internal and external stress throughout the life cycle.

SOCIAL WORK 333—INTERVENTIVE METHODS I. (4-2-5)

Prerequisites: Social Work 250 and 330. Offered twice each year. SSC.

A course designed to develop and to sharpen interpersonal communication skills. The student learns to use conversation, observation, and analytical helping skills in a variety of roles played by the generalist social worker. The course presents the student with a wide variety of interview situations in which he must demonstrate a high degree of competence.

SOCIAL WORK 334—INTERVENTIVE METHODS II. (4-2-5)

Prerequisite: Social Work 333. Offered twice each year. ASC.

This course teaches an approach to human problem solving utilizing a systems approach with emphasis on patterns of coping, family relationships, behavior study, diagnosis, and treatment or plan of action. Competency in crisis intervention and selection of proper treatment modality must be demonstrated.

SOCIAL WORK 335—INTERVENTIVE METHODS III. (4-2-5)

Prerequisite: Social Work 334. Offered twice each year. SSC.

A sequel to Social Work 334 with the main thrust on neighborhood and community need. Predicated on the concept that wherever there is widespread human need or suffering there is a breakdown of some aspect of the

social system. Using multiple roles of the generalist, particularly data gatherer, analyst, consultant, mobilizer, and advocate, students are taught to analyze system dysfunction and its impact on people and they must demonstrate competence in these roles.

SOCIAL WORK 385—SOCIAL POLICY AND ADMINISTRATION.

(5-0-5)

Prerequisite: Social Work 335. Fall, Summer and on demand. SSC.

This course is designed to help students to understand the processes of social change including legislation to the delivery of social services. It examines the appropriate bureaucratic structure, funding and policy making, and need for public accountability. Students will learn systems of priority setting and methods of efficiency which can be both effective and humane.

SOCIAL WORK 406—CHILD WELFARE.

(4-2-5)

Prerequisites: Social Work 250, 333, and Social Work/Nursing 330. Fall and Spring.

This course reviews child development and social behavior with an emphasis on the practical application of understanding and psychosocial, mental, and physical development of children. The environmental and family situation is studied and related to the child's development or lack thereof. Actual work with children identified as needing tutorial help, behavioral correction, emotional support, or environmental change is expected of each student participating. The emphasis is on the disadvantaged child who is most subject to these problems.

SOCIAL WORK 410—AGING AND SERVICES TO THE ELDERLY.

(4-2-5)

Prerequisites: Social Work 330, 333, or permission of the Social Work Program Coordinator. Winter, Summer. ASC.

A course designed for students expecting to go into public or private agencies serving the elderly. Emphasis will be placed on the social, economic, and health needs of the elderly with attention to social service delivery systems that work. Developing knowledge in gerontology is integrated into the classroom and field projects wherever practicable.

SOCIAL WORK 430—ALCOHOL AND DRUG STUDIES.

(5-0-5)

Prerequisites: Social Work 335 for Social Work majors; others by permission of instructor. Fall, Spring. ASC.

A course focusing on the various forms of alcohol and drug abuse with emphasis on the stages of harmful dependence and addiction. There will be an examination of the legal and social implications of addiction as well as approaches to treatment and rehabilitation.

SOCIAL WORK 451—FIELD EXPERIENCE I.

(5 credit hours)

Prerequisites: Open to Social Work majors only. All majors must have completed the core curriculum and all required 100-200-300 level courses. Winter.

Each student will work in a social service setting a minimum of 20 clock hours per week. The course is designed for optimal learning experiences

with clients, agencies, and the community and to increase the student's knowledge and ability under professional supervision. There will be a weekly meeting with the field coordinator.

SOCIAL WORK 452—FIELD EXPERIENCE II. (5 credit hours)

Prerequisite: Social Work 451. Spring.

This is an advanced field experience wherein greater proficiency and additional skills are expected from the student. The student must demonstrate competency in a variety of roles played by the generalist social worker. This course will be taken concurrently with Social Work 475.

SOCIAL WORK 475—SENIOR SEMINAR. (5-0-5)

Prerequisite: Social Work 451. Spring.

This is a course required of all Social Work majors and is taken concurrently with Social Work 452. It is designed to integrate classroom learning, basic theory, professional journal reports and life experience with the student's experience in the field.

SOCIAL WORK 490—INDEPENDENT STUDY (1-5)-0-(1-5)

Invitation of professor.

Experiential based study of a selected social work topic. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

SOCIAL WORK 491—INDEPENDENT STUDY (1-5)-0-(1-5)

Invitation of professor.

Research and experiential based study in social work topic of student interest or specialty. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

Sociology

SOCIOLOGY 201—INTRODUCTORY SOCIOLOGY. (5-0-5)

Offered each quarter.

An introduction to the concept and methods of the science of human group behavior. Includes the study of socialization, the role of the individual in society, and the major institutions and processes.

SOCIOLOGY 315—THE FAMILY AND ALTERNATIVE LIFE-STYLES. (5-0-5)

Prerequisite: Sociology 201.

A study of the role of the family in the development of the individual, the family unit and societal institutions. Consideration will be given to various structures and functions of the family as it exists or is emerging in America.

SOCIOLOGY 333—EXPLORING POPULAR CULTURE. (4-2-5)

Summer. Prerequisite: Sociology 201.

An examination of popular culture using music, radio, television, texts, magazines, movies, technology and language to explore a given era. Com-

parisons will be made of lifestyles, sex roles, racial attitudes and the national and regional mood of times examined.

SOCIOLOGY 350—SOCIAL PROBLEMS.

(5-0-5)

Prerequisite: Sociology 201. Winter and Spring.

An examination of behavioral deviancy, normative strain, and differences between social ideals and social realities in the context of sociological theory.

SOCIOLOGY 450—INDEPENDENT STUDY.

(1-5)-0-(1-5)

By invitation of the professor. Offered on demand. Open to transient students only with permission of the Dean of Faculty at Armstrong and the college from which the student comes.

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Faculty

JOSEPH V. ADAMS, B.A., Tennessee Temple College; M.A., Baylor University; Ph.D., University of Alabama; *Dean for Graduate and Extended Studies, Professor of Psychology*

TERESA ANN ADAMS, B.S., West Liberty State College; *Assistant Professor of Dental Hygiene*

STEPHEN K. AGYEKUM, A.B., Johnson C. Smith University; M.A., Ed.D., University of Georgia; *Associate Professor of Education*

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M. LORRAINE ANCHORS, A.B., M.A., Baylor University; *Professor of English*

DONALD D. ANDERSON, B.S., Georgia Southern College; M.A., Peabody College; Ed.D., Auburn University; *Dean for College and Community Services, Associate Professor of Education*

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Appendix

Policy

Regents' Testing Program

An examination to assess the competency level in reading and writing of those students enrolled in degree programs in University System institutions will be administered. The following statement shall be the policy of the Board of Regents of the University System of Georgia on this examination.

It is the responsibility of each institution of the University System of Georgia to assure the other institutions, and the System as a whole, that students obtaining a degree from that institution possess the basic competence of academic literacy, that is, certain minimum skills of reading and writing.

The Regents' Testing Program has been developed to help in the attainment of this goal. The objectives of the testing program are: (1) to provide System-wide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to attain minimum levels of competence expected of graduates in the areas of reading and writing.

In order to implement effectively the goals of the Testing Program:

1. Students enrolled in degree programs will be required to take and pass the Regents' Test. Passing the Test is a requirement for graduation. Students may take the Test after they have completed the required basic core English courses. They will be required to take the Test in the quarter after they have completed their 45th degree quarter-hour if it has not been taken and passed previously. Students who have not passed the Test by the time they have earned 75 quarter-credit hours (exclusive of physical education activity courses and R.O.T.C.) must give priority to taking remedial or review English, reading, and writing courses until they pass the Test. Each institution is directed to develop procedures that will require its students to pass the Regents' Test prior to being classified as a junior-year student. Students who have not passed the Regents' Test by the time they have earned 105 quarter-credit hours (excluding physical education activity courses and R.O.T.C) must be denied taking further credit courses and be limited to taking only remedial or review English, reading, and writing courses until they do pass the Regents' Test.

2. Having passed the Regents' Test shall not be a condition to transfer into an institution. All transfers within the System will be subject to Paragraph 1, above. Students from colleges outside the System who transfer into a System institution in the lower-division category and who have not passed the Test must do so in accordance with Paragraph 1, above. Students who transfer into an institution from outside the System in the classification of junior or senior and who have not passed the Regents' Test must take the Test in the first quarter of their attendance. If they fail the Test, they must be restricted to taking remedial or review courses in English, reading, and writing until they have passed the Regents' Test.

3. Students whose mother tongue is other than English may be exempted by the institution provided appropriate local procedures are employed to certify the competence of those students earning a degree.

4. The test is to be considered as a single unit and will be administered as such; passing the Test is defined as scoring above the cutoff on all components of the Test at the same administration.

5. Students who fail the Test must retake and pass the Test. Each institution will provide an appropriate program of remediation and may require deficient students to participate in the program prior to retaking the Test.

6. For extraordinary situations, each institution will develop special procedures for certifying the competency of students. A written description of these procedures will be submitted to the Chancellor's Office for approval. Such procedures will include provision for remediation if needed and formal examination prior to certifying competency. Such examination will equal or exceed the standards of the Regents' Testing Program.

7. Each institution shall include in its catalog a copy of the Regents' policy on the Regents' Testing Program.

8. These revised procedures shall be followed by all students, effective July 1, 1979.

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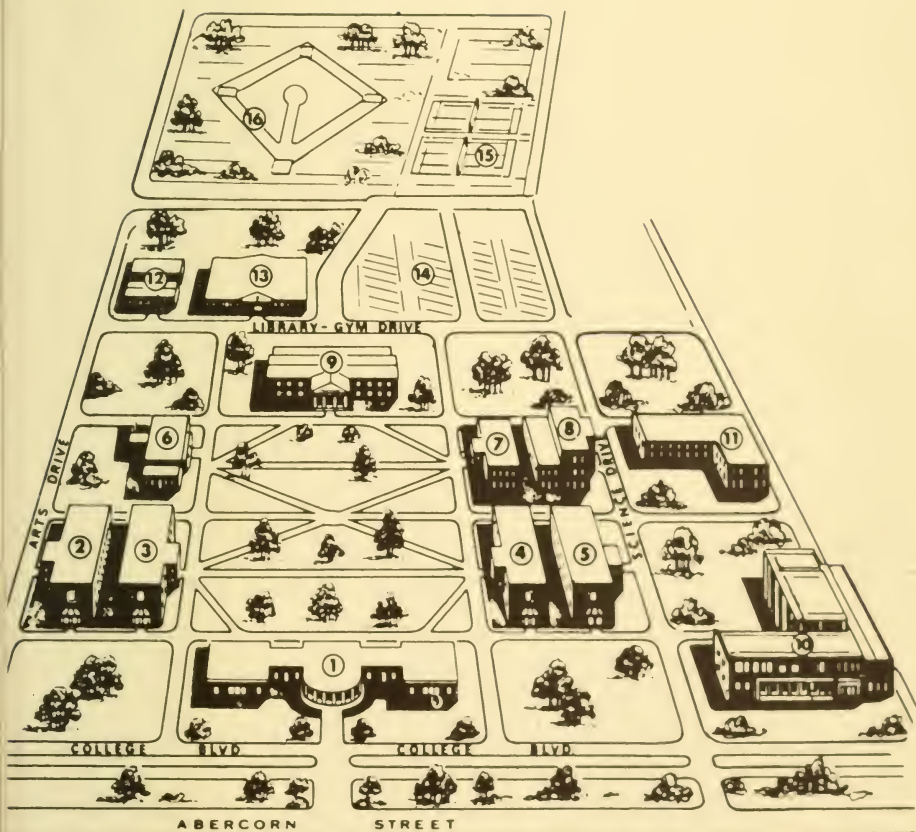
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1. Administration Building
2. Victor Hall
3. Gamble Hall
4. Science Hall
5. Solms Hall
6. Jenkins Hall
7. Student Services
8. Memorial College Center
9. Lane Library
10. Fine Arts Building
11. Health Professions Education Center
12. Maintenance Building
13. Gymnasium and Pool
14. Parking Area
15. Tennis Courts
16. Baseball and Intramural Field



ARMSTRONG STATE COLLEGE CAMPUS

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